

# A

## A

Phonetic alphabet symbols related to A—the International - A, or a, is the first letter and the first vowel letter of the Latin alphabet, used in the modern English alphabet, and others worldwide. Its name in English is a (pronounced AY), plural aes.

It is similar in shape to the Ancient Greek letter alpha, from which it derives. The uppercase version consists of the two slanting sides of a triangle, crossed in the middle by a horizontal bar. The lowercase version is often written in one of two forms: the double-storey |a| and single-storey |ʌ|. The latter is commonly used in handwriting and fonts based on it, especially fonts intended to be read by children, and is also found in italic type.

## Fraktur

question marks, boxes, or other symbols. Fraktur (German: [fʁakˈtuːr] ) is a calligraphic hand of the Latin alphabet and any of several blackletter typefaces - Fraktur (German: [fʁakˈtuːr] ) is a calligraphic hand of the Latin alphabet and any of several blackletter typefaces derived from this hand. It is designed such that the beginnings and ends of the individual strokes that make up each letter will be clearly visible, and often emphasized; in this way it is often contrasted with the curves of the Antiqua (common) typefaces where the letters are designed to flow and strokes connect together in a continuous fashion. The word "Fraktur" derives from Latin fr̥ct̥ra ("a break"), built from fr̥ctus, passive participle of frangere ("to break"), which is also the root for the English word "fracture". In non-professional contexts, the term "Fraktur" is sometimes misused to refer to all blackletter typefaces – while Fraktur typefaces do fall under that category, not all blackletter typefaces exhibit the Fraktur characteristics described above.

Fraktur is often characterized as "the German typeface", as it remained popular in Germany and much of Eastern Europe far longer than elsewhere. Beginning in the 19th century, the use of Fraktur versus Antiqua (seen as modern) was the subject of controversy in Germany. The Antiqua–Fraktur dispute continued until 1941, when the Nazi government banned Fraktur typefaces. After Nazi Germany fell in 1945, Fraktur was unbanned, but it failed to regain widespread popularity.

## Unicode subscripts and superscripts

symbols. Unicode has subscripted and superscripted versions of a number of characters including a full set of Arabic numerals. These characters allow any polynomial - Unicode has subscripted and superscripted versions of a number of characters including a full set of Arabic numerals. These characters allow any polynomial, chemical and certain other equations to be represented in plain text without using any form of markup like HTML or TeX.

The World Wide Web Consortium and the Unicode Consortium have made recommendations on the choice between using markup and using superscript and subscript characters:

When used in mathematical context (MathML) it is recommended to consistently use style markup for superscripts and subscripts [...] However, when super and sub-scripts are to reflect semantic distinctions, it is easier to work with these meanings encoded in text rather than markup, for example, in phonetic or phonemic transcription.

## Blackboard bold

Blackboard bold is a style of writing bold symbols on a blackboard by doubling certain strokes, commonly used in mathematical lectures, and the derived - Blackboard bold is a style of writing bold symbols on a blackboard by doubling certain strokes, commonly used in mathematical lectures, and the derived style of typeface used in printed mathematical texts. The style is most commonly used to represent the number sets

$\mathbb{N}$

$\{\displaystyle \mathbb{N} \}$

(natural numbers),

$\mathbb{Z}$

$\{\displaystyle \mathbb{Z} \}$

(integers),

$\mathbb{Q}$

$\{\displaystyle \mathbb{Q} \}$

(rational numbers),

$\mathbb{R}$

$\{\displaystyle \mathbb{R} \}$

(real numbers), and

$\mathbb{C}$

$\{\displaystyle \mathbb{C} \}$

(complex numbers).

To imitate a bold typeface on a typewriter, a character can be typed over itself (called double-striking); symbols thus produced are called double-struck, and this name is sometimes adopted for blackboard bold symbols, for instance in Unicode glyph names.

In typography, a typeface with characters that are not solid is called inline, handtooled, or open face.

## Mathematical Alphanumeric Symbols

mathematics an italic letter "¿" can have a different meaning from a roman letter "A". Unicode originally included a limited set of such letter forms - Mathematical Alphanumeric Symbols is a Unicode block comprising styled forms of Latin and Greek letters and decimal digits that enable mathematicians to denote different notions with different letter styles. The letters in various fonts often have specific, fixed meanings in particular areas of mathematics. By providing uniformity over numerous mathematical articles and books, these conventions help to read mathematical formulas. These also may be used to differentiate between concepts that share a letter in a single problem.

Unicode now includes many such symbols (in the range U+1D400–U+1D7FF). The rationale behind this is that it enables design and usage of special mathematical characters (fonts) that include all necessary properties to differentiate from other alphanumerics, e.g. in mathematics an italic letter "¿" can have a different meaning from a roman letter "A". Unicode originally included a limited set of such letter forms in its Letterlike Symbols block before completing the set of Latin and Greek letter forms in this block beginning in version 3.1.

Unicode expressly recommends that these characters not be used in general text as a substitute for presentational markup; the letters are specifically designed to be semantically different from each other. Unicode does not include a set of normal serif letters in the set. Still they have found some usage on social media, for example by people who want a stylized user name, and in email spam, in an attempt to bypass filters.

All these letter shapes may be manipulated with MathML's attribute `mathvariant`.

The introduction date of some of the more commonly used symbols can be found in the Table of mathematical symbols by introduction date.

## Enclosed Alphanumerics

Alphanumerics is a Unicode block of typographical symbols of an alphanumeric within a circle, a bracket or other not-closed enclosure, or ending in a full stop - Enclosed Alphanumerics is a Unicode block of typographical symbols of an alphanumeric within a circle, a bracket or other not-closed enclosure, or ending in a full stop.

It is currently fully allocated. Within the Basic Multilingual Plane, a few additional enclosed numerals are in the Dingbats and the Enclosed CJK Letters and Months blocks. There is also a block with more of these characters in the Supplementary Multilingual Plane named Enclosed Alphanumeric Supplement (U+1F100–U+1F1FF), as of Unicode 6.0.

## Ordinal indicator

ordinal indicator is a character, or group of characters, following a numeral denoting that it is an ordinal number, rather than a cardinal number. Historically - In written languages, an ordinal indicator is a character, or group of characters, following a numeral denoting that it is an ordinal number, rather than a cardinal number. Historically these letters were "elevated terminals", that is to say the last few letters of the full word denoting the ordinal form of the number displayed as a superscript. Probably originating with Latin scribes,

the character(s) used vary in different languages.

In English orthography, this corresponds to the suffixes <sup>st</sup>, <sup>nd</sup>, <sup>rd</sup>, <sup>th</sup> in written ordinals (represented either on the line 1st, 2nd, 3rd, 4th or as superscript 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>). Also commonly encountered in Romance languages are the superscript or superior (and often underlined) masculine ordinal indicator, <sup>o</sup>, and feminine ordinal indicator, <sup>a</sup>. In formal typography, the ordinal indicators <sup>a</sup> and <sup>o</sup> are distinguishable from other characters.

The practice of underlined (or doubly underlined) superscripted abbreviations was common in 19th-century writing (not limited to ordinal indicators in particular, and extant in the numero sign <sup>?</sup>), and was found in handwritten English until at least the late 19th century (e.g. first abbreviated '1<sup>st</sup>' or 1<sup>st</sup>).

## Enclosed Alphanumeric Supplement

Supplement is a Unicode block consisting of Latin alphabet characters and Arabic numerals enclosed in circles, ovals or boxes, used for a variety of purposes - Enclosed Alphanumeric Supplement is a Unicode block consisting of Latin alphabet characters and Arabic numerals enclosed in circles, ovals or boxes, used for a variety of purposes. It is encoded in the range U+1F100–U+1F1FF in the Supplementary Multilingual Plane.

The block is mostly an extension of the Enclosed Alphanumerics block, containing further enclosed alphanumeric characters which are not included in that block or Enclosed CJK Letters and Months. Most of the characters are single alphanumerics in boxes or circles, or with trailing commas. Two of the symbols are identified as dingbats. A number of multiple-letter enclosed abbreviations are also included, mostly to provide compatibility with Broadcast Markup Language standards (see ARIB STD B24 character set) and Japanese telecommunications networks' emoji sets. The block also includes the regional indicator symbols to be used for emoji country flag support.

## Bachelor of Arts

A Bachelor of Arts (abbreviated BA or AB; from the Latin *baccalaureus artium*, *baccalaureus in artibus*, or *artium baccalaureus*) is the holder of a bachelor's - A Bachelor of Arts (abbreviated BA or AB; from the Latin *baccalaureus artium*, *baccalaureus in artibus*, or *artium baccalaureus*) is the holder of a bachelor's degree awarded for an undergraduate program in the liberal arts, or, in some cases, other disciplines. A Bachelor of Arts degree course is generally completed in three or four years, depending on the country and institution.

Degree attainment typically takes five or more years in Argentina, Brazil, Chile, and Peru.

Degree attainment typically takes four years in Afghanistan, Armenia, Azerbaijan, Bangladesh, Brunei, Bulgaria, Canada (except Quebec), China, Egypt, Finland, Georgia, Ghana, Greece, Hong Kong, Indonesia, Iran, Iraq, Ireland, Jamaica, Japan, Kazakhstan, Kenya, Kuwait, Latvia, Lebanon, Lithuania, Malaysia, Mexico, Mongolia, Myanmar, Nepal, the Netherlands, Nigeria, Pakistan, the Philippines, Qatar, Russia, Saudi Arabia, Scotland, Serbia, Singapore, South Africa, South Korea, Spain, Sri Lanka, Taiwan, Thailand, Turkey, Ukraine, the United States, and Zambia.

Degree attainment typically takes three years in Albania, Algeria, Australia, Austria, Bosnia and Herzegovina, Denmark, France, Germany, Iceland, Israel, Italy, Montenegro, Malta, New Zealand, Norway, Poland, Portugal, the Canadian province of Quebec, South Africa (certain degrees), Switzerland, the United

Kingdom (except Scotland), and most of the European Union. In Bangladesh, China, Indonesia, Nigeria, Pakistan, and Russia, three-year BA (associates) courses are also available. A three-year bachelor's degree usually does not qualify the holder for admission to graduate programs in other countries where four-year bachelor's degrees are the standard prerequisite.

## Google

2015, Google was reorganized as a wholly owned subsidiary of Alphabet Inc. Google is Alphabet's largest subsidiary and is a holding company for Alphabet's - Google LLC ( , GOO-g?l) is an American multinational corporation and technology company focusing on online advertising, search engine technology, cloud computing, computer software, quantum computing, e-commerce, consumer electronics, and artificial intelligence (AI). It has been referred to as "the most powerful company in the world" by the BBC and is one of the world's most valuable brands. Google's parent company, Alphabet Inc., is one of the five Big Tech companies alongside Amazon, Apple, Meta, and Microsoft.

Google was founded on September 4, 1998, by American computer scientists Larry Page and Sergey Brin. Together, they own about 14% of its publicly listed shares and control 56% of its stockholder voting power through super-voting stock. The company went public via an initial public offering (IPO) in 2004. In 2015, Google was reorganized as a wholly owned subsidiary of Alphabet Inc. Google is Alphabet's largest subsidiary and is a holding company for Alphabet's internet properties and interests. Sundar Pichai was appointed CEO of Google on October 24, 2015, replacing Larry Page, who became the CEO of Alphabet. On December 3, 2019, Pichai also became the CEO of Alphabet.

After the success of its original service, Google Search (often known simply as "Google"), the company has rapidly grown to offer a multitude of products and services. These products address a wide range of use cases, including email (Gmail), navigation and mapping (Waze, Maps, and Earth), cloud computing (Cloud), web navigation (Chrome), video sharing (YouTube), productivity (Workspace), operating systems (Android and ChromeOS), cloud storage (Drive), language translation (Translate), photo storage (Photos), videotelephony (Meet), smart home (Nest), smartphones (Pixel), wearable technology (Pixel Watch and Fitbit), music streaming (YouTube Music), video on demand (YouTube TV), AI (Google Assistant and Gemini), machine learning APIs (TensorFlow), AI chips (TPU), and more. Many of these products and services are dominant in their respective industries, as is Google Search. Discontinued Google products include gaming (Stadia), Glass, Google+, Reader, Play Music, Nexus, Hangouts, and Inbox by Gmail. Google's other ventures outside of internet services and consumer electronics include quantum computing (Sycamore), self-driving cars (Waymo), smart cities (Sidewalk Labs), and transformer models (Google DeepMind).

Google Search and YouTube are the two most-visited websites worldwide, followed by Facebook and Twitter (now known as X). Google is also the largest search engine, mapping and navigation application, email provider, office suite, online video platform, photo and cloud storage provider, mobile operating system, web browser, machine learning framework, and AI virtual assistant provider in the world as measured by market share. On the list of most valuable brands, Google is ranked second by Forbes as of January 2022 and fourth by Interbrand as of February 2022. The company has received significant criticism involving issues such as privacy concerns, tax avoidance, censorship, search neutrality, antitrust, and abuse of its monopoly position.

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