



Welcome to Wikifunctions

the free library of 4,747 functions that anyone can edit.

Welcome!

Wikifunctions is a Wikimedia project for everyone to collaboratively create and maintain a library of code functions to support the Wikimedia projects and beyond, in the world's natural and programming languages.

A "function" is a sequence of programming instructions that makes a calculation based on data you provide. Functions can answer questions, such as how many days have passed between two dates, or the distance between two cities.

We are currently primarily focused on functions related to Wikidata Lexemes. The Lexicographical data from Wikidata and functions to process it are essential for the goal of an Abstract Wikipedia. A tutorial on how Wikifunctions can be used with Wikidata right now is available.

Get started



Wikifunctions in 7 minutes

- [Run a function](#)
- [Project chat](#)
- [Community portal](#)
- [Suggest a function](#)
- [Catalogue of available functions](#)

Functions to try out

is pangram (Latin alphabet) (Z12626): checks whether a string of characters possesses every letter from the Latin alphabet at least once

English cardinal (Z13587): expresses a natural number in English words

age (Z20756): returns the difference between two dates on the Gregorian calendar in years

how many days between two days in the year (Z20733): number of days (non-inclusive) between two days of the year

is Gregorian year leap year? (Z20181): returns True if the specified year in the Gregorian calendar (the one currently used in most parts of the world) has 366 days (February 29th added), and False if the year has 365 days

Bayes' theorem conditional probability $P(A|B)$ (Z20000): The probability of A occurring given that B is known to have occurred. Given by Bayes' theorem: $P(A|B) = \frac{P(A) \cdot P(B|A)}{P(B)}$

minimum of natural number list (Z19509): returns the smallest element from a list of natural numbers; if the list is empty, returns 0.

simple tense of verb (Z19514): returns simple tense of inputted verb

more functions...

Learn and contribute

Learn about Wikifunctions

- [About Wikifunctions](#)
- [Wikifunctions introduction](#)
- [FAQ](#)
- [Glossary](#)

Contribute to Wikifunctions

- [Create an object](#)
- [Get involved as a translator](#)

Get help with Wikifunctions

- Questions? Ask at the [Project chat](#) or our [Telegram/IRC channel](#)!
- [Report a technical problem](#)
 - [Status](#) page lists major known issues and problems

News

Volunteer's Corners

- The next Volunteers' Corner will be at 17:30 UTC on 2026-09-07 (<https://zonestamp.toolforge.org/1788802200>) on Google Meet at meet.google.com/xuy-njxh-rkw (<https://meet.google.com/xuy-njxh-rkw>).
- The most recent Volunteer's Corner is available on Commons

Recent status updates about Wikifunctions

- [2026-07-16](#): Beyond syntactic tables
- [2026-07-08](#): Moving toward our first Abstract Wikipedia integration milestone
- [2026-07-01](#): Integration on test wiki and annual plan

- [2026-06-26](#): Working on Functions, together
- [2026-06-19](#): The or not the, this is (the?) question

[More news](#)



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Wikimedia family.



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Encyclopedia



Wikidata
Knowledge
base



**Wikimedia
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Media repository



Wiktionary
Dictionary and
thesaurus



Wikibooks
Textbooks and
manuals



Wikiquote
Collection of
quotations



Wikisource
Library



Wikiversity
Learning
resources



Wikivoyage
Travel guides



Wikispecies
Directory of
species



Incubator
New language
versions



Meta-Wiki
Project
coordination



MediaWiki
MediaWiki
development



Wikimania
Event
coordination