

Programming languages used in most popular websites

🌐 10 languages ▾

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One thing the most visited [websites](#) have in common is that they are [dynamic websites](#). Their [development](#) typically involves [server-side coding](#), [client-side coding](#) and [database technology](#). The programming languages applied to deliver dynamic web content, however, vary vastly between sites.

Programming languages used in most popular websites*

Websites ↕	Popularity (unique visitors per month) ^[1] ↕	Front-end (Client-side) ↕	Back-end (Server-side) ↕	Database ↕	Notes
Google ^[2]	2,800,000,000	JavaScript, TypeScript	C, C++, Go, ^[3] Java, Python, Node	Bigtable, ^[4] MariaDB ^[5]	The most used search engine in the world.
Facebook	1,120,000,000	JavaScript, Typescript, Flow	Hack/HHVM, Python, C++, Java, Erlang, D, ^[6] Haskell ^[7]	MariaDB, MySQL, ^[8] HBase, Cassandra ^[9]	The most visited social networking site.
YouTube	1,100,000,000	JavaScript, TypeScript	Python, C, C++, Java, ^[10] Go ^[11]	Vitess, BigTable, MariaDB ^[5] ^[12]	The most popular video sharing site.
Yahoo	750,000,000	JavaScript	PHP	PostgreSQL, HBase, Cassandra, MongoDB, ^[13]	
Etsy	516,000,000 (Total, not unique) ^[14]	JavaScript	PHP ^[15] ^[16]	MySQL, Redis ^[17]	E-commerce website.
Amazon	2,400,000,000 ^[18]	JavaScript	Java, C++, Perl ^[19]	DynamoDB, RDS/Aurora, Redshift ^[20]	The most used e-commerce site in the world.
Wikipedia	475,000,000	JavaScript	PHP	MariaDB ^[21]	A free online encyclopedia based on MediaWiki , which is programmed in PHP .
Fandom	315,000,000 ^[22]	JavaScript	PHP	MySQL	Wiki hosting service.
X	290,000,000	JavaScript	C++, Java, ^[23] Scala, ^[24] Ruby (Ruby On Rails)	MySQL ^[25]	Popular social network.
Bing	285,000,000	JavaScript	C++, C#	Microsoft SQL Server, Cosmos DB	Search engine from Microsoft.
eBay	285,000,000	JavaScript	Java, ^[26] JavaScript, ^[27] Scala ^[28]	Oracle Database	Online auction house.
MSN	280,000,000	JavaScript	C# (ASP.NET)	Microsoft SQL Server	An email client, for simple use. Previously known as "messenger", not to be confused with Facebook's messaging platform.
LinkedIn	260,000,000	JavaScript	Java, JavaScript, ^[29] Scala	Venice ^[30] ^[31]	World's largest professional network.
Pinterest	250,000,000	JavaScript	Python (Django), ^[32] Erlang, Elixir ^[33]	MySQL, Redis ^[34]	Search engine for ideas.
WordPress.com	240,000,000 ^[35]	JavaScript	PHP ^[36]	MariaDB ^[37]	Website manager software.

Netflix	223.090.000 (Subscribers, not visitors)	JavaScript	Python, Java ^[38]	NMDB, ^[39] PostgreSQL	The biggest video streaming service in the world.
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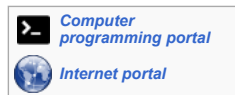
*data on programming languages is based on:

- [HTTP Header](#) information
- Request for file types
- Citations from reliable sources

Back-end (Server-side) table in most popular websites

Websites	C#	C	C++	D	Elixir	Erlang	Go	Hack	Haskell	Java	JavaScript	Perl	PHP	P
Google	No	Yes	Yes	No	No	No	Yes	No	No	Yes	Yes	No	No	Y
YouTube	No	Yes	Yes	No	No	No	Yes	No	No	Yes	No	No	No	Y
Facebook	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	Y
Yahoo	No	Yes	Yes	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Y
Amazon	No	No	Yes	No	No	No	No	No	No	Yes	No	Yes	No	N
Wikipedia	No	No	No	No	No	No	No	No	No	No	No	No	Yes	N
X	No	No	Yes	No	No	No	No	No	No	Yes	No	No	No	N
Bing	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	N
eBay	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	N
MSN	Yes	No	No	No	No	No	No	No	No	No	No	No	No	N
LinkedIn	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	N
Pinterest	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	Y
WordPress.com	No	No	No	No	No	No	No	No	No	No	No	No	Yes	N
Netflix	No	Yes	No	No	No	No	Yes	No	No	Yes	No	No	No	Y

See also [edit]



- [Comparison of programming languages](#)
- [List of programming languages](#)
- [TIOBE index](#)
- ["Hello, World!" program](#)

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