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[illegible]

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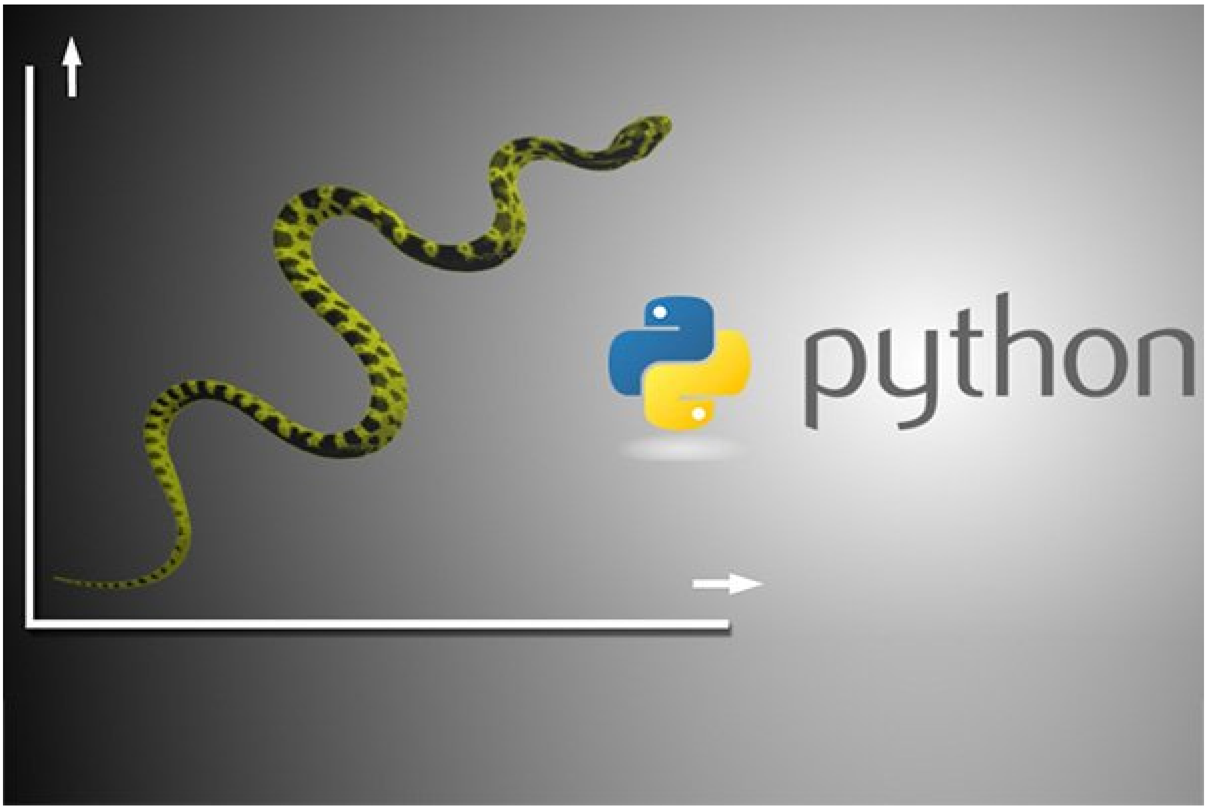


[illegible] ...[illegible] [illegible]. [illegible].

[illegible] ([illegible]) [illegible]

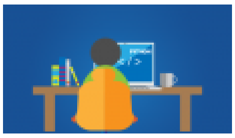
[illegible] **3** **[illegible] ([illegible]) - [illegible]**

[illegible] **2**

[illegible] 1991 [illegible]. [illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Tiobe [illegible] (1 [illegible])

[illegible] API [illegible]

[illegible]

[illegible].

[illegible]

[illegible] Salt [illegible] Ansible [illegible].

[illegible]

[illegible] cx_Freeze [illegible] PyInstaller [illegible].

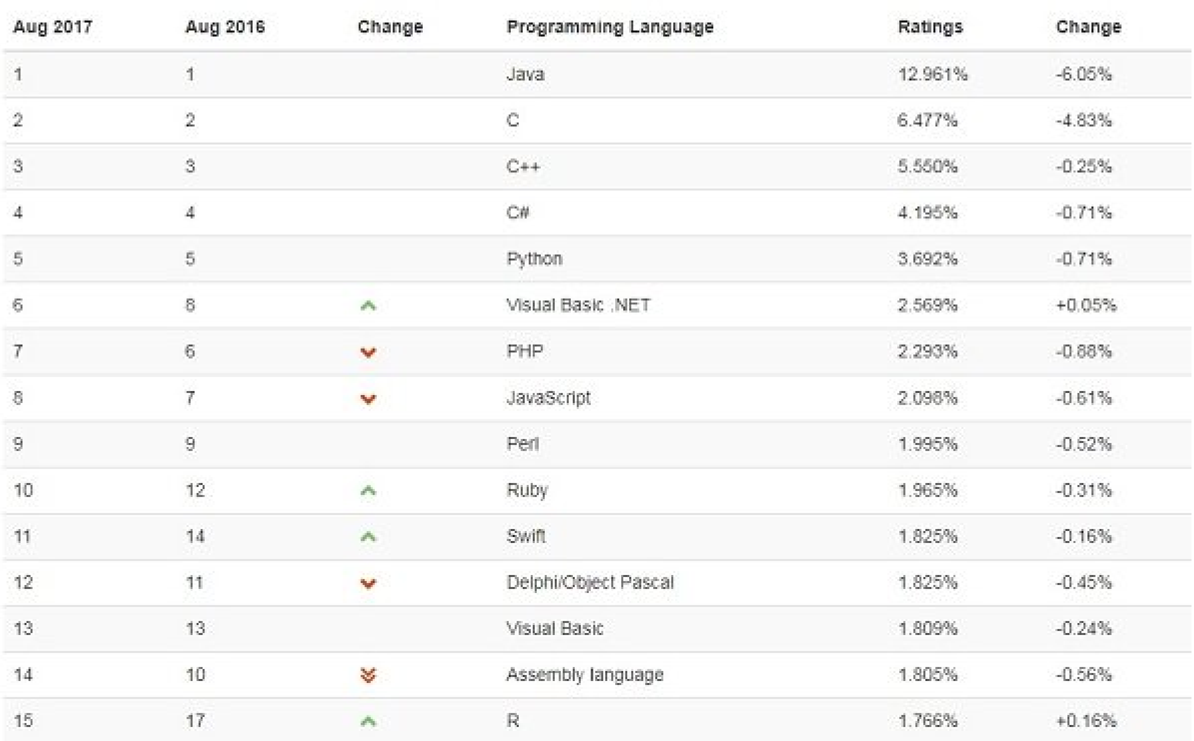
[illegible]

[illegible].

[illegible] **RESTful** [illegible]

[illegible] REST [illegible]. REST ([illegible] Representational State Transfer) [illegible] HTTP [illegible]

[illegible]



Aug 2017	Aug 2016	Change	Programming Language	Ratings	Change
1	1		Java	12.961%	-6.05%
2	2		C	6.477%	-4.83%
3	3		C++	5.550%	-0.25%
4	4		C#	4.195%	-0.71%
5	5		Python	3.692%	-0.71%
6	8	▲	Visual Basic .NET	2.569%	+0.05%
7	6	▼	PHP	2.293%	-0.88%
8	7	▼	JavaScript	2.098%	-0.61%
9	9		Perl	1.995%	-0.52%
10	12	▲	Ruby	1.965%	-0.31%
11	14	▲	Swift	1.825%	-0.16%
12	11	▼	Delphi/Object Pascal	1.825%	-0.45%
13	13		Visual Basic	1.809%	-0.24%
14	10	▼▼	Assembly language	1.805%	-0.56%
15	17	▲	R	1.766%	+0.16%

-1 [illegible]

[illegible] **tiobe** [illegible] **2017** [illegible]

[illegible] Metaprogramming [illegible]

[illegible] Metaprogramming [illegible]

[illegible]

[illegible] (Glue language) [illegible]

[illegible]

[illegible]

IoT [illegible]

[illegible]

[illegible]

[illegible] Hello world [illegible] 3.x [illegible] print(“Hello world!”) [illegible]. [illegible] List [illegible].

```
with open(‘myfile.txt’) as my_file:
    file_lines = [x.strip(‘\n’) for x in my_file]
```

[illegible] with/as [illegible] Context manager [illegible]. [illegible] my_file [illegible] open [illegible]. [illegible] Try-finally [illegible]. [illegible] [x … for x in my_file] [illegible] my_file [illegible] x [illegible]. [illegible] for…. [illegible] Garbage collections [illegible]. [illegible] Garbage collection [illegible].

[illegible].

[illegible]

What fuelled Python's rise to become the fastest growing programming language?

[illegible]

[illegible]

3 [illegible] 2 [illegible]

[illegible] X.2 [illegible] 2020 [illegible] X.3 [illegible]

[illegible]

[illegible] x.2 [illegible] x.3 [illegible] **3** [illegible] 2 [illegible] 3 [illegible] 2 [illegible] **3** [illegible]

[illegible]

[illegible] C# [illegible]

[illegible] **C#** [illegible] **C** [illegible] **C++** [illegible]

[illegible]

[illegible]

[illegible].

[illegible]. [illegible].

[illegible] Pandas [illegible] NumPy [illegible] PyPy [illegible]. [illegible].

[illegible] ([illegible])[illegible]

[illegible] 3 [illegible] ([illegible]) - [illegible]

[illegible] 2 [illegible]

[illegible]:
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[illegible] - [illegible] - [illegible] - [illegible] -
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[illegible]
[illegible]: https://www.shabakeh-mag.com/workshop/10090/%D9%BE%D8%A7%DB%8C%D8%AA%D9%88%D9%86-%DA%86%DB%8C%D8%B3%D8%AA-%D9%88-%D8%AF%D8%B1-%DA%86%D9%87-%D8%B2%D9%85%DB%8C%D9%86%D9%87%E2%80%8C%D9%87%D8%A7%DB%8C%DB%8C-%D8%A8%D9%87-%DA%A9%D8%A7%D8%B1-%DA%AF%D8%B1%D9%81%D8%AA%D9%87-%D9%85%DB%8C%E2%80%8C%D8%B4%D9%88%D8%AF%D8%9F