

Linguagem

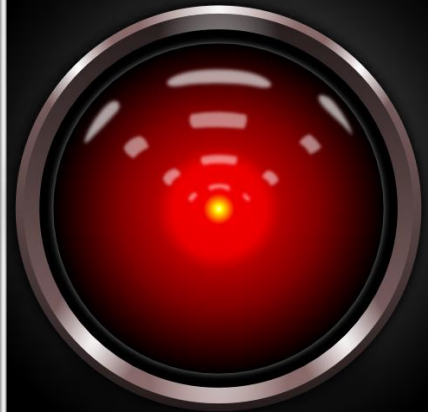
C



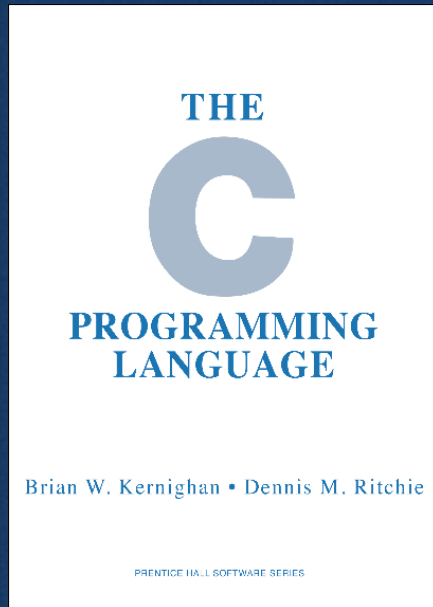
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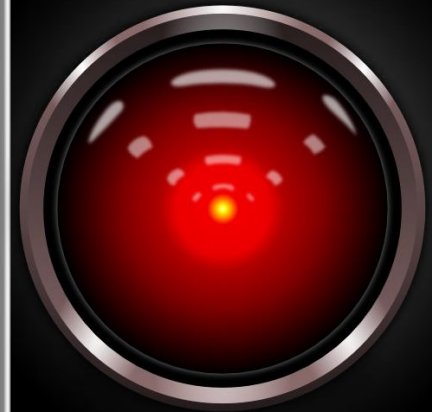
Um pouco da história...



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C



Histórico da linguagem C



Rank de linguagens

Feb 2022	Feb 2021	Change	Programming Language		Ratings	Change
1	3	▲		Python	15.33%	+4.47%
2	1	▼		C	14.08%	-2.26%
3	2	▼		Java	12.13%	+0.84%
4	4			C++	8.01%	+1.13%
5	5			C#	5.37%	+0.93%
6	6			Visual Basic	5.23%	+0.90%
7	7			JavaScript	1.83%	-0.45%
8	8			PHP	1.79%	+0.04%
9	10	▲		Assembly language	1.60%	-0.06%
10	9	▼		SQL	1.55%	-0.18%

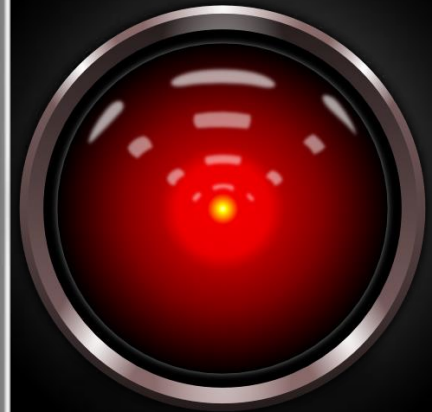
<https://www.tiobe.com/tiobe-index/>



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Características

```
1 //  
2 #include <stdio.h>  
3 #include <stdlib.h>  
4  
5 int main(int argc, char *argv[])  
6 {  
7     printf("Hello World");  
8     return 0;  
9 }
```

hello.c

compilador

C



gcc hello.c -o hello.exe

```
100111010101  
110101010101  
011111010101  
010101010101  
010101010111
```

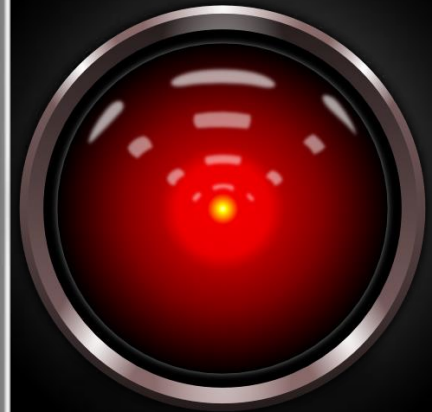
hello.exe



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Características

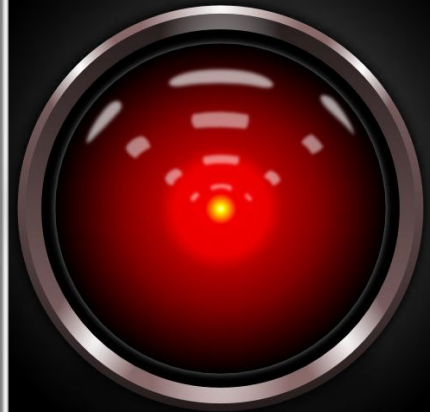
- Próxima ao Hardware
- Portável
- Alta Performance
- Modular
- Simples
- Uso geral



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Quem usa a linguagem C ?

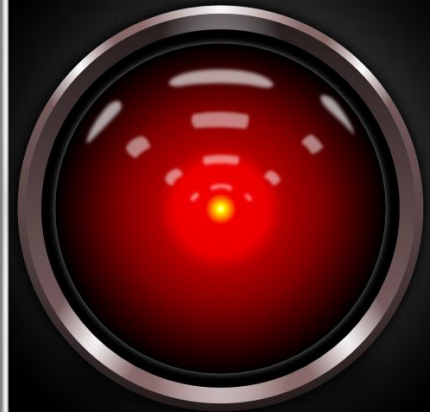
- Sistemas operacionais
- Drivers
- Microcontroladores
- Sistemas embarcados
- Automação
- Robótica
- IoT



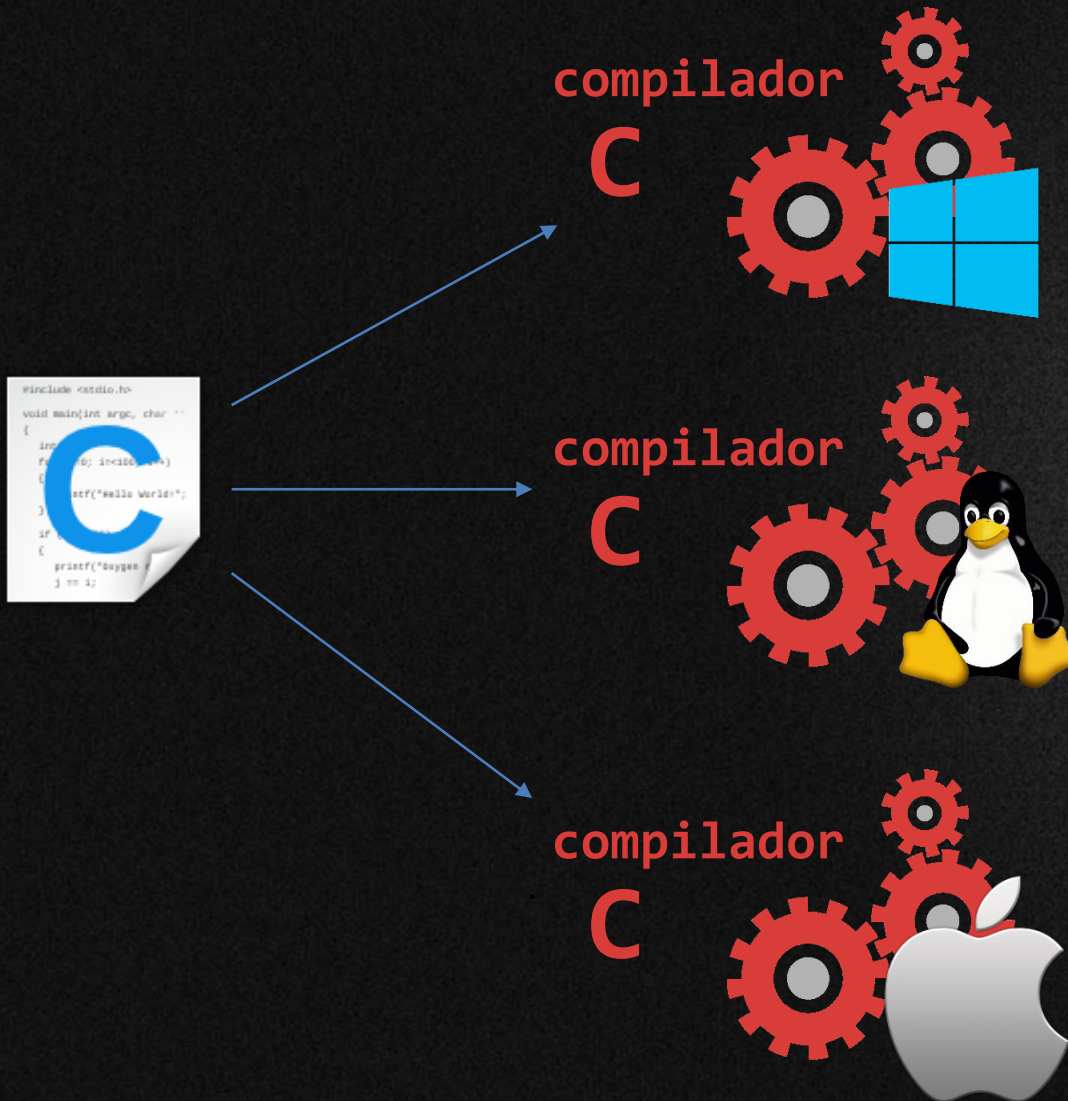
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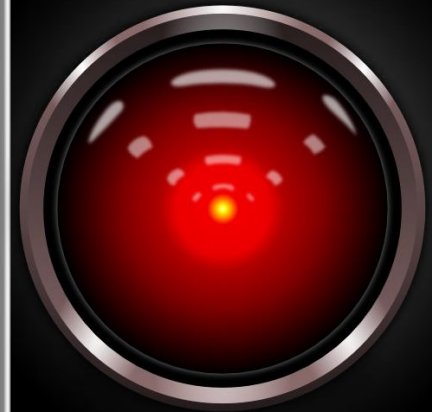
Por onde começar ?



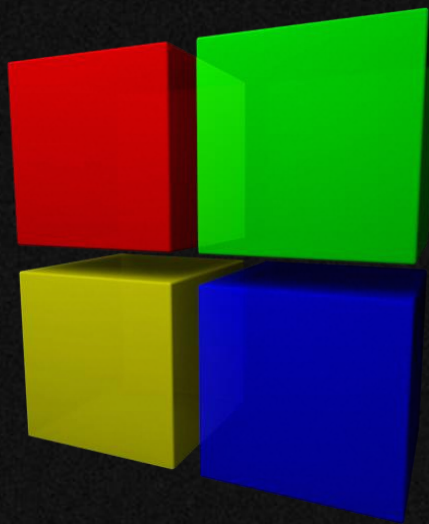
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