



Curso de

Introducción a C

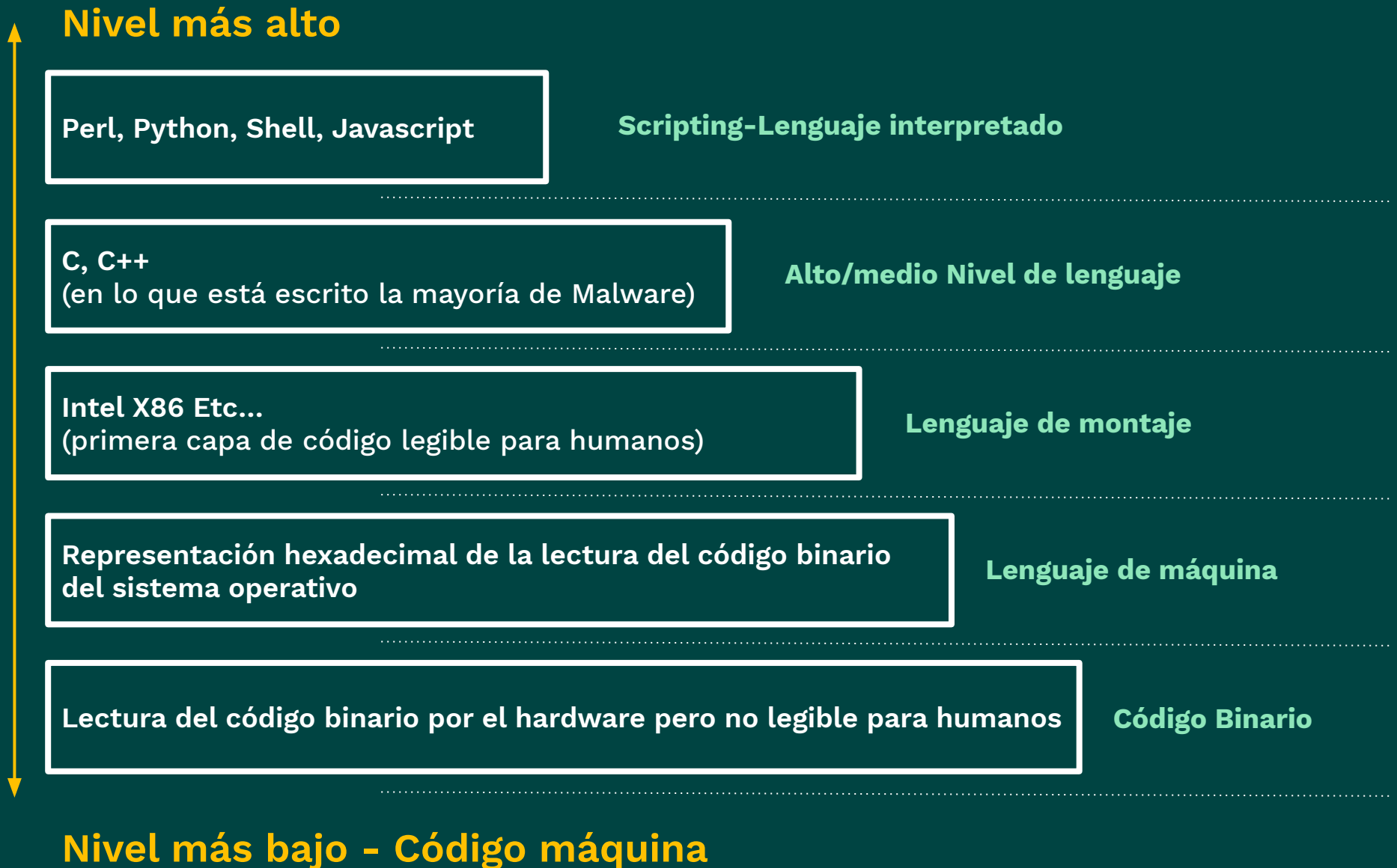
Ricardo Celis

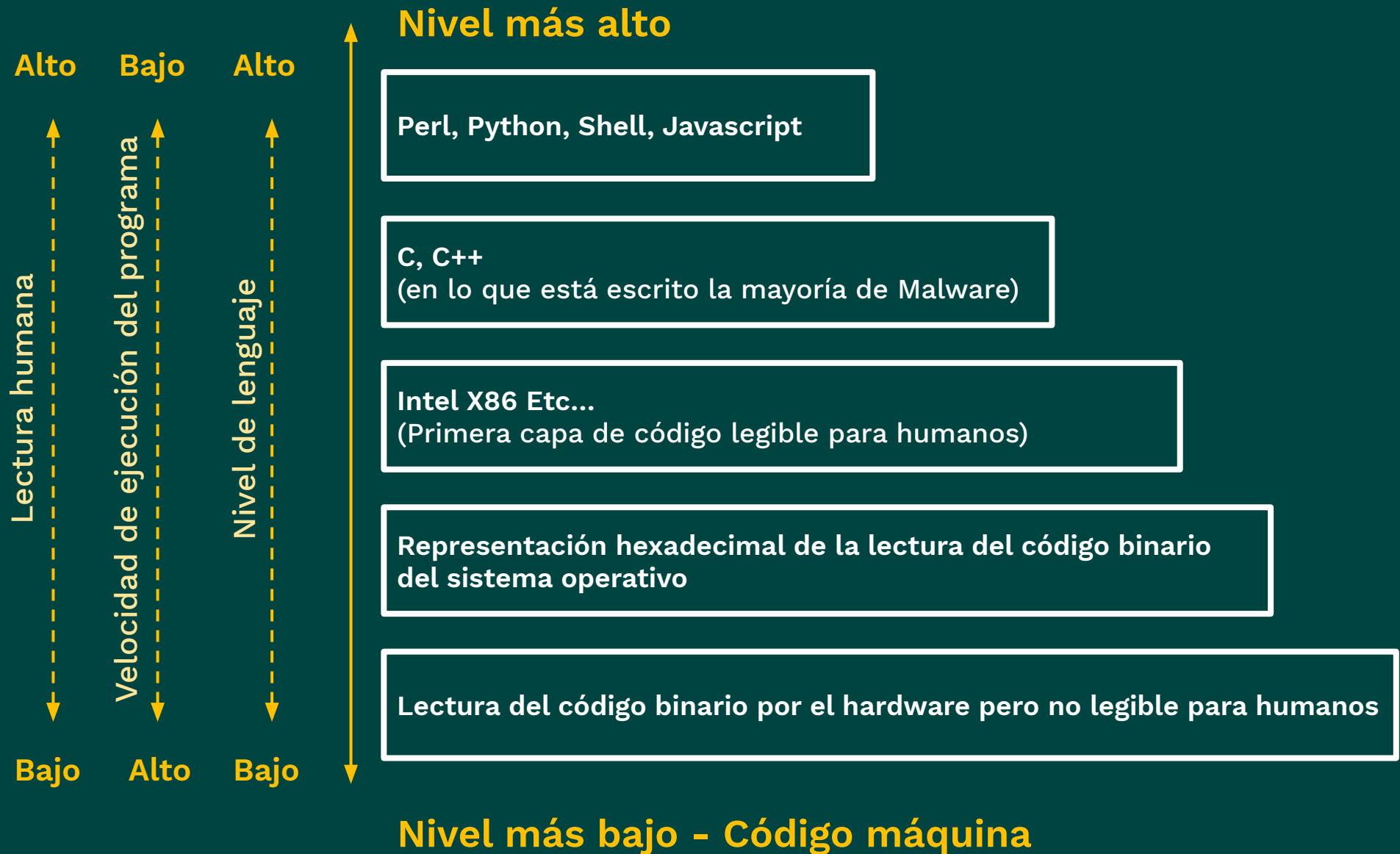


¿Por qué **aprender C?**



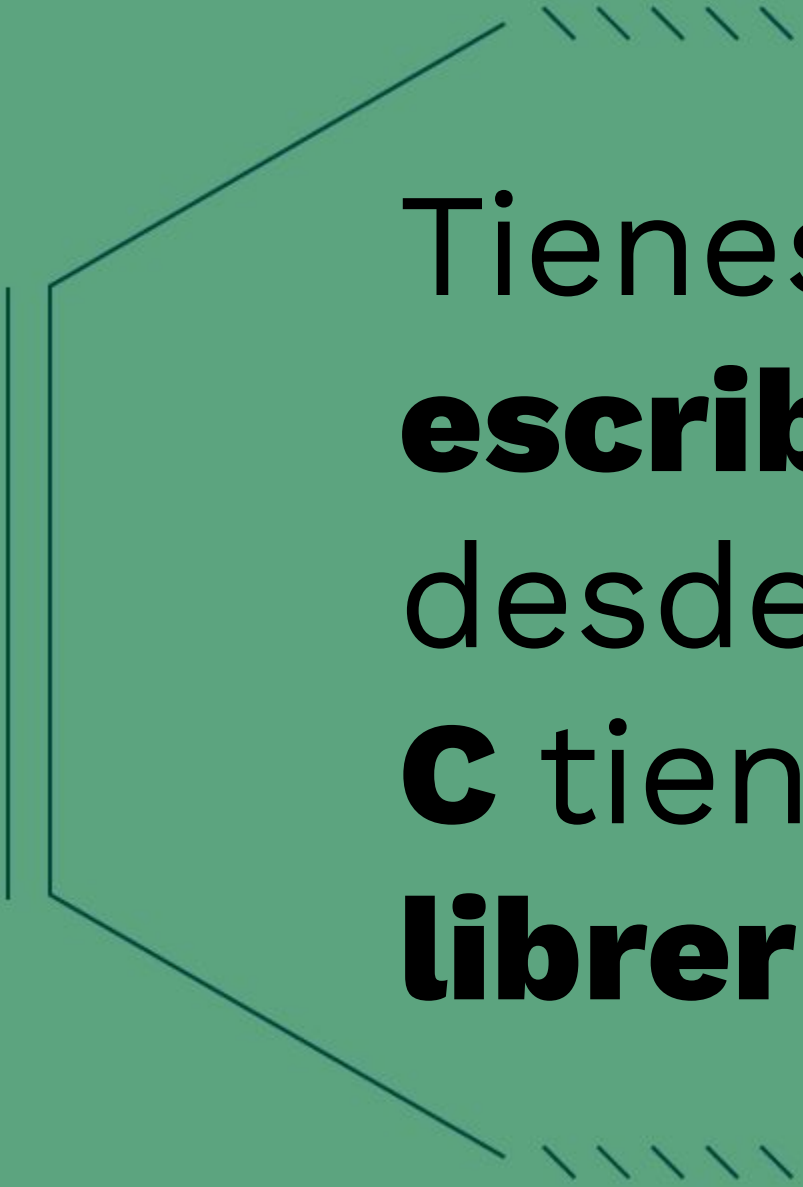
C es un Lenguaje de
Nivel Intermedio



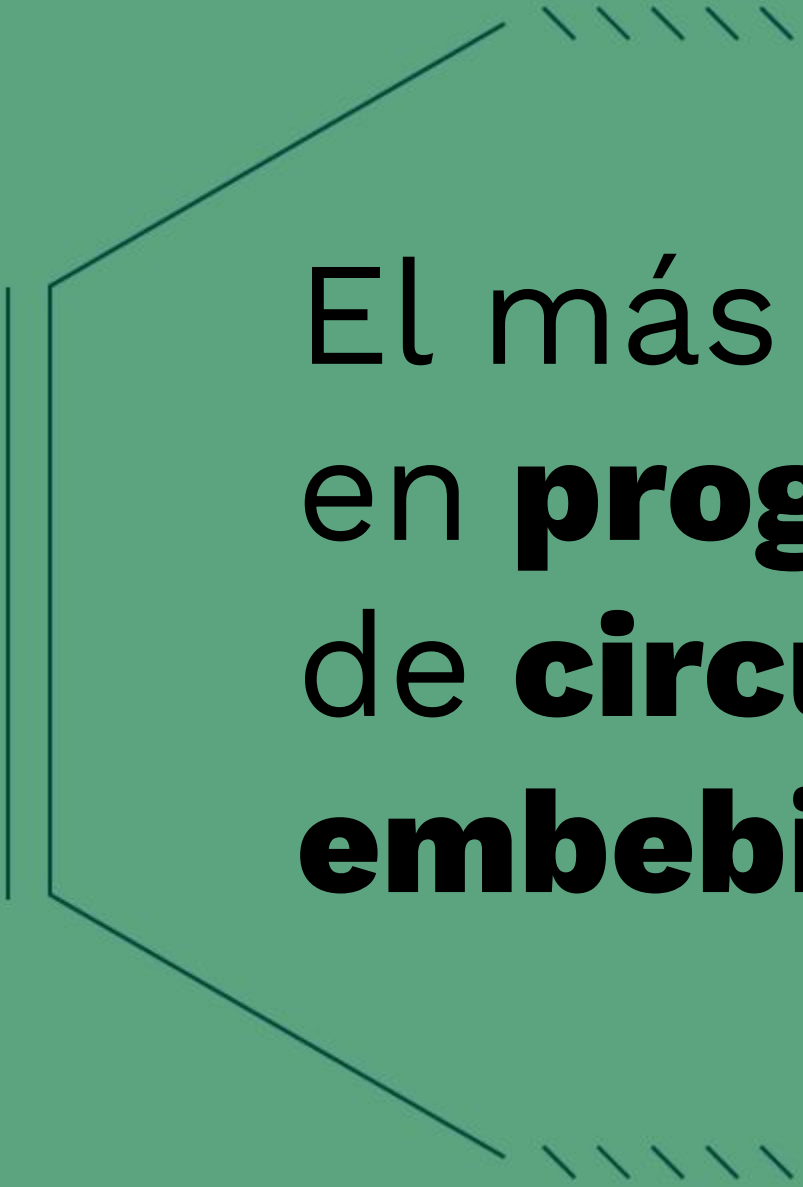




Ayuda a **entender**
los **fundamentos**
de **teoría** de
computación

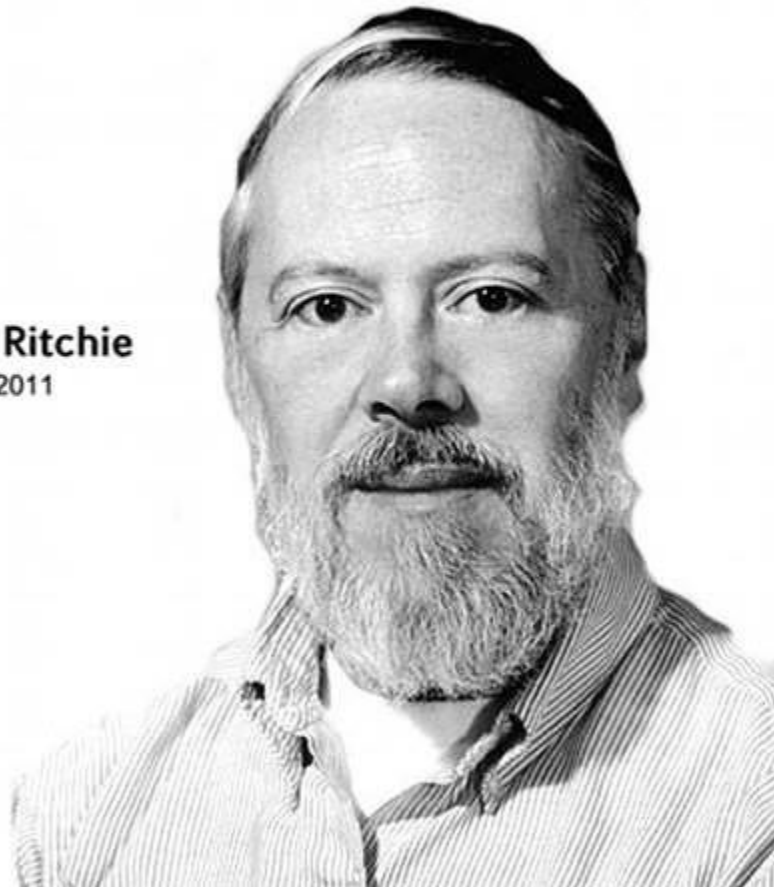



Tienes que
escribir mucho
desde **CERO**.
C tiene **pocas**
librerías



El más **utilizado**
en **programación**
de **circuitos**
embebidos

Dennis Ritchie
1941-2011

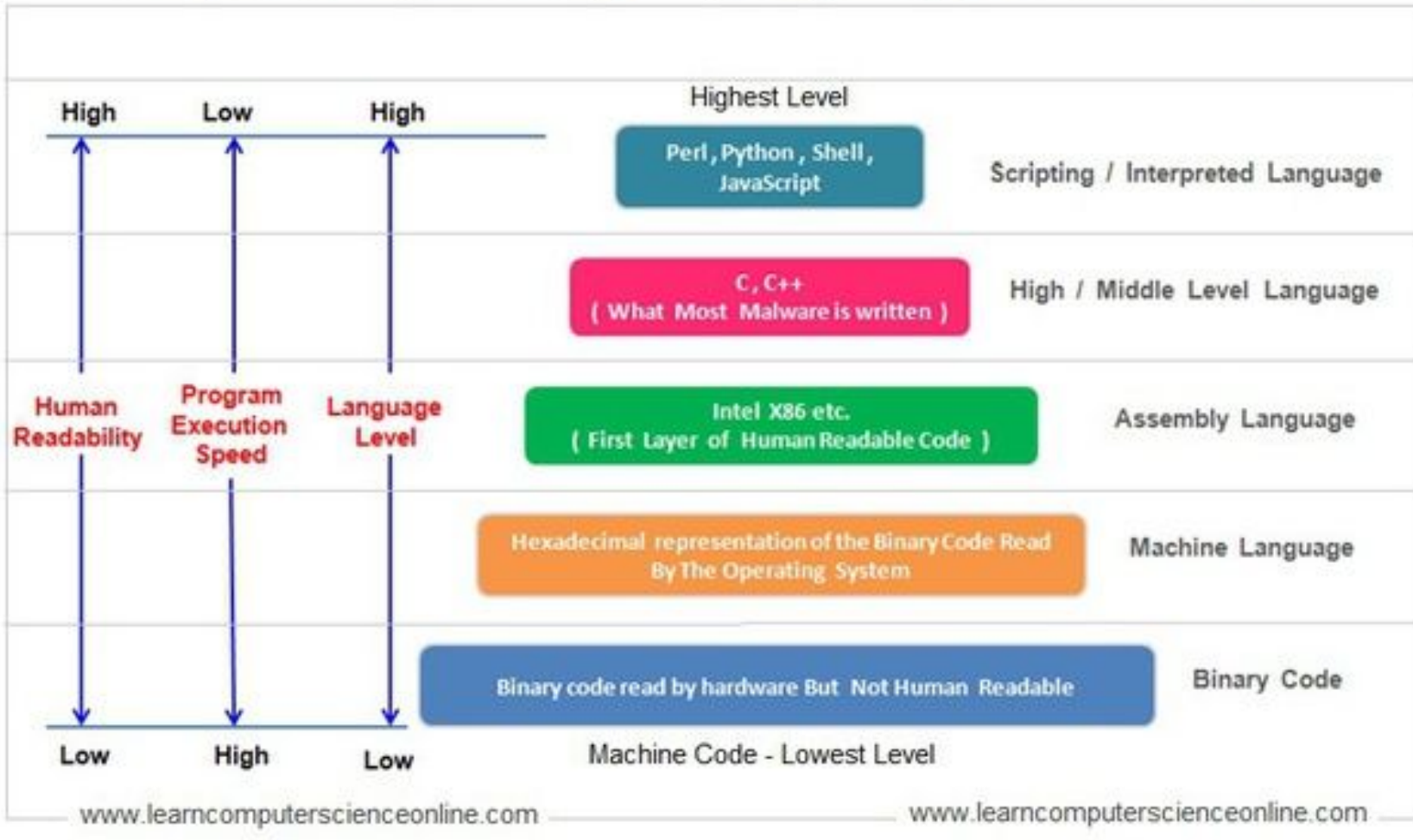




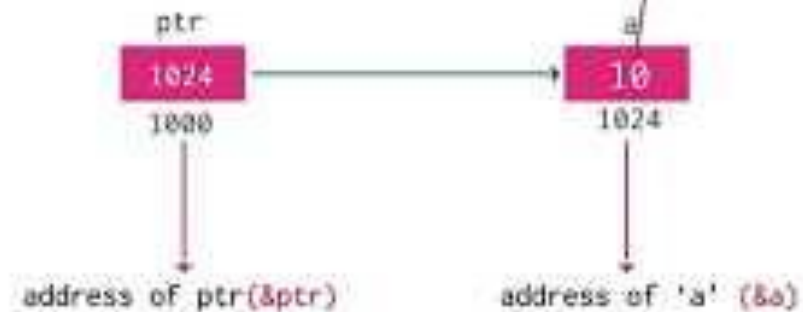
**Muy rápido en tiempo
de ejecución**

Animación

Computer Programming Language - Types And Levels



```
int a = 10;  
int *ptr = &a;  
printf("value of a = %d\n", a);  
printf("value stored at ptr = %d\n", *ptr);  
printf("Address of a = %d\n", &a);  
printf("ptr points to the address = %d\n", ptr);  
printf("Address of ptr = %d\n", &ptr);
```



OUTPUT



Punteros

Pointer

Variable

Valor

Dirección



Integer Pointer

Variable

10

Dirección



Character Pointer

Variable



Dirección



```
int a = 10
```

```
int *ptr = &a;
```

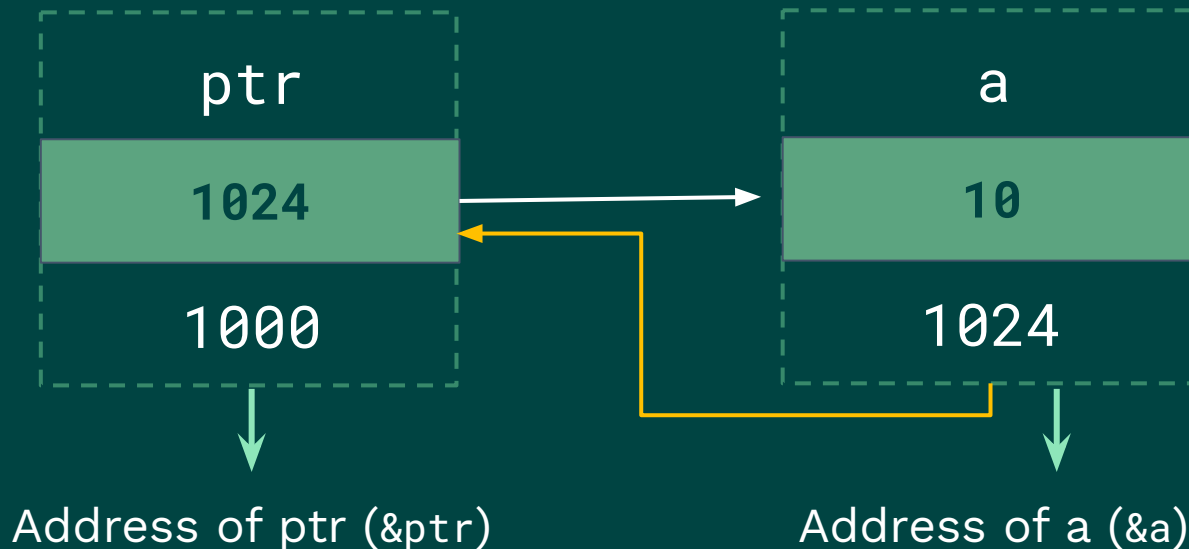
```
printf ("value of a = % d/n" , *ptr);
```

```
printf ("value stored at ptr = % d/n" , *ptr);
```

```
printf ("Address of a = % d/n" , &a );
```

```
printf ("ptr points to the address = % d/n" , ptr);
```

```
printf ("Address of ptr = % d/n" , &ptr );
```




```
int a = 10  
int *ptr = &a;  
printf ("value of a = % d/n" , *ptr);  
printf ("value stored at ptr = % d/n" , *ptr);  
printf ("Address of a = % d/n" , &a );  
printf ("ptr points to the address = % d/n" , ptr);  
printf ("Address of ptr = % d/n" , &ptr );
```

```
Value of a = 10  
Value stored at ptr = 10  
Address a = 1024  
Ptr points to the address  
= 1024
```