Wthon

A global programming language

Motivations

More Intuitive and Easier
Coding in your mother tongue can be easier and more intuitive

Be more inclusive
Most of the most well-known programming languages are English-based

Worldwide software devs growth
The number of programmers is growing across the worls

25% increase in the numbers of software developers across the world
accordingly to Statista

Characteristics

1 3 different idioms implemented

Deutsch   English   Português

2 One program. Multiple idioms

```
--portugues;
--english;
--deutsch;
```

To select the keywords idiom you need to write it before a function block

Reserved Words Equivalence

English	Português	Deutsch
if	se	wenn
else	senao	sonst
while	enquanto	solange
print	imprime	drucke
return	retorne	ruckgabe
function	funcao	funktion
and	e	und
or	ou	oder
not	nao	nicht
read	leia	lese

Selected portuguese →

```
--portugues;
funcao OlaMundo(int n){
    int x;
    x = 0;
    enquanto (x < n){
        imprime("Ola Mundo: ");
        imprime(x);
        x = x + 1;
    }
}
```

Selected german →

```
--deutsch;
funktion HalloWelt(int n){
    int x;
    x = 0;
    solange ((x < n)){
        drucken("Hallo Welt: ");
        drucken(x);
        x = x + 1;
    }
}
```

Selected english →

```
--english;
function HelloWorld(int n){
    int x;
    x = 0;
    while (x < n){
        print("Hello World: ");
        print(x);
        x = x + 1;
    }
}
```

Looping ⟩

```
function Main(){
    HelloWorld(1);
    OlaMundo(1);
    HalloWelt(1);
}
```

⟩ **Calling the functions in the Main function**

Example 1: A classic (and complete) Hello World!

Example 2: Sum

```
function soma(int x, int y) {
    int a;
    a = x+y;
    print(a);
    return a;
}

function Main(){
    int a;
    int b;
    a = 3;
    b = soma(a,4);
    print(a);
    print(b);
}
```

Default Idiom is English

Selected portuguese

Example 3: Check if number is Positive

```
--portugues;

funcao éPositivo(int n){
    se (n > 0) {
        imprime("Número Positivo");
    }
    senao {
        se (n == 0){
            imprime("Zero");
        } senao {
            imprime("Número Negativo");
        }
    }
}

funcao Principal(){
    int n;
    n = leia();
    éPositivo(n);
}
```

Condicional

You can input a number