Lesson 7 - Pseudocode

Logical Computational Thinking

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Basics

Instructions

An instruction is a line that ends with a semicolon. Some instructions can open a block of code.

```
1 ...;
```

Code blocks

A block of code is a series of instructions inside a couple of curly brackets.

```
1 {
2     ...;
3     ...;
4     ...;
5 }
```

Program start/end



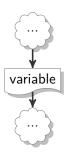
```
1 {
2  variables declarations;
3  ...
4 }
```

Input



```
1 ...
2 input variable;
3 ...
```

Output 1



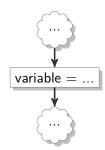
```
1 ...
2 output variable;
3 ...
```

Output 2



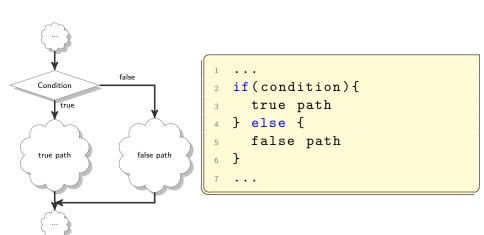
```
1 ...
2 output "Text";
3 ...
```

Assignation

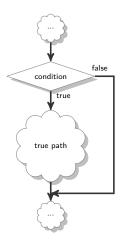


```
1 ...
2 variable = ...;
3 ...
```

Selection 1

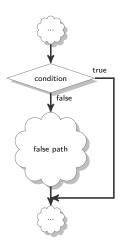


Selection 2



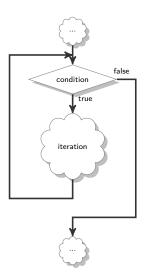
```
1 ...
2 if(condition){
3   true path
4 }
5   ...
```

Selection 3



```
1 ...
2 if(! condition){
3   false path
4 }
5 ...
```

Iteration 1

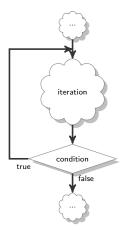


```
1 ...
2 while(condition){
3   iteration
4 }
5 ...
```

Alert

If the true and false in the selection are inverted, you need to negate the condition like for the if .

Iteration 2



```
1 ...
2 do {
3   iteration
4 } while(condition);
5 ...
```

Alert

If the true and false in the selection are inverted, you need to negate the condition like for the if .