



High School Programming

Lecture: 08

WELCOME TO




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Recap Previous Lecture

 Logical Operator

 Conditional Statement

Agenda

 Loops

 For Loop

 While Loop

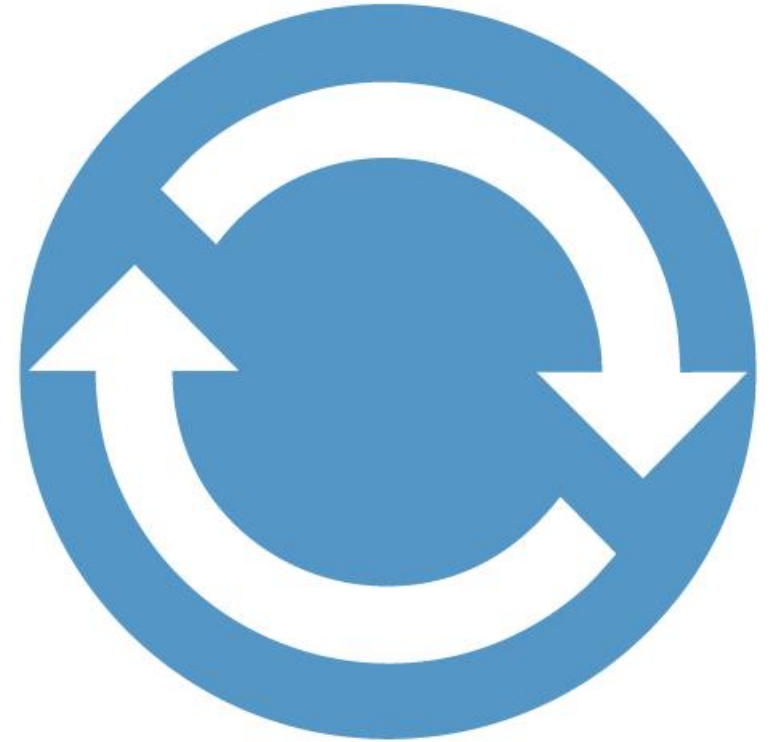
 Do-while Loop

Loops

-- There may be a situation, when you need to execute a block of code several number of times. In general, the statements are executed sequentially: The first statement in a function is executed first, followed by the second, and so on.

There are three types of loops:

1. For loop
2. While loop
3. Do While loop



For Loop

--When you know exactly how many times you want to loop through a block of code, use the for loop instead of a while loop:

Syntax:

```
for (statement 1; statement 2; statement 3)
```

```
{
```

```
    // code block to be executed
```

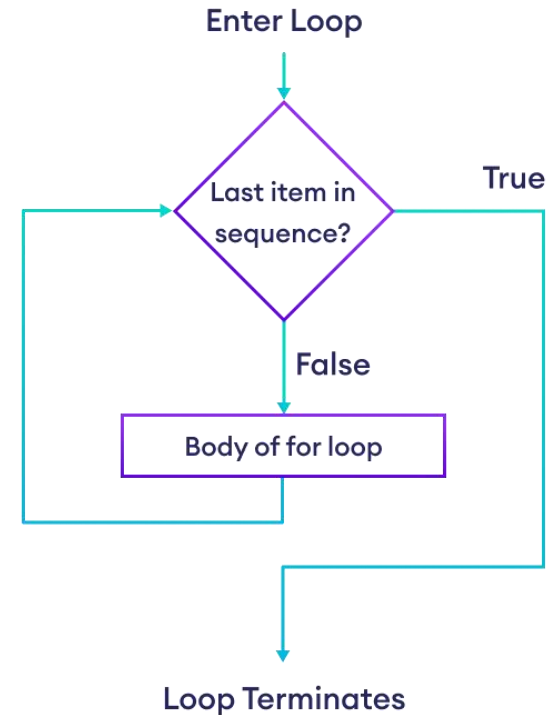
```
}
```

```
for (initialization; condition; increment/decrement)
```

```
{
```

```
    // code block to be executed
```

```
}
```



While Loop

--Loops can execute a block of code as long as a specified condition is reached.

--Loops are handy because they save time, reduce errors, and they make code more readable.

Syntax:

initialization;

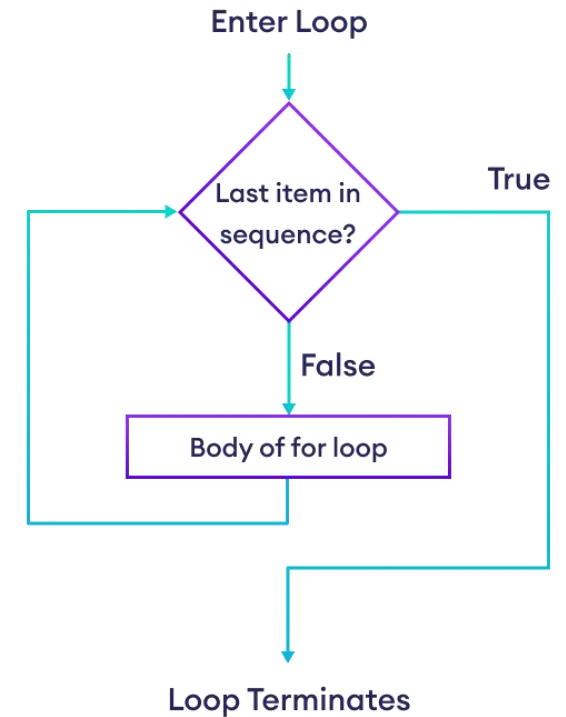
while (condition)

{

// code block to be executed

increment/decrement;

}



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Thank You