

Today koushik sir started revising the previous topic on function, class, class properties and methods with an examples.

Then today he took class on Array, how to access an array, objects and conditions.

Array: An array is a list of objects.

Example: list somelist=[3,"hello","false","true"]

In this example array is declared using list with the name called somelist and declared the value as 3,hello,false and true.

An Array is accessed using the **index value**;

say for an example: [0] is assigned to 3

[1] is assigned to hello

[2] is assigned to false

[3] is assigned to true

printf(somelist[2])

->it displays "false".

Object: object is an instance of class;

It has a **key** and **value**;

For accessing an object we can use key

For example: a:3

b:5

here a and b are keys, 3 and 5 are values

somelist("a")->it displays the value 3;

condition:if (condition)

```
int a=10;
```

```
{
```

```
  If(a==10)
```

```
{
```

```
Print("correct")
```

```
}
```

```
Else
```

```
{
```

```
Print("wrong")
```

```
}
```

In this example, a is declared the value 10.

Then it checks the condition if $10 == 10$ means then it prints "correct"

Else it prints "wrong".

$==$ means it checks both the sides that is LHS=RHS

Once if statement is executed then another part will not be executed.

Another example:

```
Int a=5;
```

```
If(a<10)
```

```
{
```

```
Print("value is less than 10")
```

```
}else if(a==10)
```

```
{
```

```
Print("value is equal")
```

```
}
```

```
Else if(a>10)
```

```
{
```

```
Print("value is greater than 10)
```

```
}
```

First it checks the if condition then it goes to the next part and so on.

Loop: loop is repetition.

For example: `for(i=0;i<10;i++)`

```
{  
Print(i)  
}
```

The value of `i` is initialized to 0.

Then it checks the condition `i<10` .

Then iteration `i++` takes place. The loop is repeated until it meets the condition.

For loop is the breakdown of if statement.

Example:

```
Int i=0;  
If(i<10)  
{  
Print(i)  
}  
I++;  
If(i<10)  
{//loop continues  
}
```

Json->javascript object notation.

Today I worked on my project where my mentor assigned me. The project is about to display a webpage which contains payment method option and card details and user information using html and css.