

# Scala

## Session-3



## Scala session - 3

### 1. closure

in functional programming a function can return a function.

in object oriented programming we could have return a object.

```
class person {  
  // data elements  
  // functionality
```

```
}
```

```
new Person
```

## 2. Scala Type System

Any

AnyVal

Byte

Short

Int

Long

Float

Double

Unit ()

Boolean - true or false

Char - 'a'

AnyRef

List

Seq

Tuple

String

Null - is valid only for reference types (AnyRef)

Nothing -

### 3. Operators

in your scala you do not have operators. you have only methods or functions.

### 4. Anonymous functions

a function without a name is called as anonymous function.

```
val a = 1 to 100
```

```
a.map((x:Int)=>2*x)
```

Last statement of expression block is the return statement.

### 5. Placeholder Syntax

```
val a = 1 to 100
```

```
a.map((x:Int) => x * 2)
```

```
a.map(x * 2)
```

```
a.reduce((x:Int,y:Int) = > x+y)
```



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