

Variable In Kotlin

-> Variable refers to a memory location. It is used to store data.

-> Variable Declaration :-

Kotlin variable is declared using keyword `var` and `val`.

```
var language = "Java"  
val salary = 30000
```

Here, variable `language` is `String` type and variable `salary` is `Int` type.

We don't require specifying the type of variable explicitly.

Kotlin compiler knows this by initializer expression ("`Java`" is a `String` and `30000` is an `Int` value).

This is called type inference in programming.

-> We can also explicitly specify the type of variable while declaring it:-

```
var language: String = "Java"  
val salary: Int = 30000
```

It is not necessary to initialize variable at the time of its declaration.

Variable can be initialized later on when the program is executed.

```
var language: String  
language = "Java"
```

```
val salary: Int  
salary = 30000
```

-> Difference between var and val :-

var (Mutable variable): We can change the value of variable declared using var keyword later in the program.

val (Immutable variable): We cannot change the value of variable which is declared using val keyword.

