

Scala Programming

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Practice1

var and val

```
C:\WINDOWS\system32\cmd. X + v
Welcome to Scala 2.13.11 (Java HotSpot(TM) 64-Bit Server VM, Java 11.0.16).
Type in expressions for evaluation. Or try :help.

scala> println("hello")
hello

scala> var name="foo"
var name: String = foo

scala> val age=19
val age: Int = 19
```

```
scala> val name="KNTUJ"
val name: String = KNTUJ

scala> if(name.length==1.*(4))"*"else"#"
val res2: String = #

scala> val name="HITHA"
val name: String = HITHA

scala> if(name.length==1.*(4))"*"else"#"
val res3: String = #

scala> if(name.length==1.*(5))"*"else"#"
val res4: String = *

scala> val name="H"
val name: String = H

scala> if(name.length==1.*(4))"*"else"#"
val res5: String = #

scala> val name="Hit"
val name: String = Hit

scala> if(name.length==1.*(4))"*"else"#"
val res6: String = #
```

```
scala> var count=0
var count: Int = 0

scala> while(count<10)count+=1

scala> print(count)
10
```

Range

```
scala>
  val range=1 to 10
val range: scala.collection.immutable.Range.Inclusive = Range 1 to 10

scala> println(range.last)
10

scala> val range2=1 until 10
val range2: scala.collection.immutable.Range = Range 1 until 10

scala> println(range2.last)
9

scala> val range3=1 until 10 by 3
val range3: scala.collection.immutable.Range = Range 1 until 10 by 3

scala> println(range3.last)
7
```

List

```
scala> var lst=List("b","c","d")
var lst: List[String] = List(b, c, d)

scala> print(lst.head)
b
scala> print(lst.tail)
List(c, d)
scala> var lst2="a"::lst
var lst2: List[String] = List(a, b, c, d)

scala> var l=1::2::3::4::Nil
var l: List[Int] = List(1, 2, 3, 4)

scala> var l2=l::List(5,6)
var l2: List[Any] = List(List(1, 2, 3, 4), 5, 6)

scala> var l3=l::List(5,6)
var l3: List[Int] = List(1, 2, 3, 4, 5, 6)
```

Array

```
scala>
    var array=new Array[String](3)
var array: Array[String] = Array(null, null, null)

scala> var at=Array(4,4.7,"Gasai Yuno")
var at: Array[Any] = Array(4, 4.7, Gasai Yuno)

scala> val mat=Array.ofDim[Int](3,4)
val mat: Array[Array[Int]] = Array(Array(0, 0, 0, 0), Array(0, 0, 0, 0), Array(0, 0, 0, 0))
```