

SCALA PROGRAMMING

LAB WORK 1

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Microsoft Windows [Version 10.0.22621.2215]
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C:\Users\Arjun Unnikrishnan>scala
Welcome to Scala 2.13.11 (Java HotSpot(TM) 64-Bit Server VM, Java 17.0.8).
Type in expressions for evaluation. Or try :help.

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

scala> println(range.last)
10

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

scala> println(range.last)
9

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

scala> println(range)
Range 1 until 10 by 3

scala> println(range.last)
7

scala> val range=1 to 10 by 3
val range: scala.collection.immutable.Range = Range 1 to 10 by 3

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scala> println(range.last)
10

scala> var tuples=(2*5,"ten",10.0d,10.0f,10.0,(9,"NINE"))
var tuples: (Int, String, Double, Float, Double, (Int, String)) = (10,ten,10.0,10.0,10.0,(9,NINE))

scala> print(tuples_1)
      ^
error: not found: value tuples_1

scala> print(tuples_2)
      ^
error: not found: value tuples_2

scala> print(tuples_6_2)
      ^
error: not found: value tuples_6_2

scala> print(tuples_6)
      ^
error: not found: value tuples_6

scala> print(tuples_5_2)
      ^
error: not found: value tuples_5_2

scala> print(tuples_5)
      ^
error: not found: value tuples_5

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10.0
scala> print(tuples._6_2)
      ^
error: value _6_2 is not a member of (Int, String, Double, Float, Double, (Int, String))

scala> print(tuples._6_2)
NINE
scala> var lst=List("b","c","d")
var lst: List[String] = List(b, c, d)

scala> println(lst.head)
b

scala> println(lst.tail)
List(c, d)

scala> var lst=List("ab","c","def")
var lst: List[String] = List(ab, c, def)

scala> println(lst.head)
ab

scala> println(lst.tail)
List(c, def)

scala> println(lst)
List(ab, c, def)

scala> var lst=List("ab","c","def","a123")
var lst: List[String] = List(ab, c, def, a123)

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Command Prompt - scala
List(ab, c, def)

scala> var lst=List("ab","c","def","a123")
var lst: List[String] = List(ab, c, def, a123)

scala> println(lst)
List(ab, c, def, a123)

scala> var lst=List("ab","c","def",a123)
      ^
error: not found: value a123

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

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

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

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))

scala> mat(1)(2) = 3

scala> |
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