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22BTRAD007

GitHub: https://github.com/avaniskrishna/ScalaProgramming

RANGES:

```
scala> println("22btrad007")
22btrad007

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
```

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

scala> println(range3.last)
10
```

TUPLES:

```
scala> println("22btrad007")
22btrad007

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._)
                  ^
       error: identifier expected but '_' found.

scala> print(tuples._1)
10
scala> print(tuples._2)
ten
scala> print(tuples._6)
(9,NINE)
scala> print(tuples._6._2)
NINE
```

LISTS:

```
scala>
scala> print("22btrad007")
22btrad007
scala> print("list")
list
scala> var lst= List("b","c","d")
var lst: List[String] = List(b, c, d)

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

scala> var lst3 = List("ab","cd","def")
var lst3: List[String] = List(ab, cd, def)

scala> var lst4 = List("ab","cd","def1","34rs")
var lst4: List[String] = List(ab, cd, def1, 34rs)

scala> var lst5 = List("ab","cd","def1","34rs", 24aed)
                                                  ^
       error: invalid literal number

scala> var lst6 = List("ab","cd","def1","34rs", a123)
                                                 ^
       error: not found: value a123
```

```
scala>
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>
scala> print("22btrad007")
22btrad007
scala> ("array")
val res16: String = array

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

scala> var at= Array94,4.7,"Gasai Yuno")
                      ^
       error: ';' expected but ',' found.

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))

scala> mat(1)(2)=3

scala> val mat = Array.ofDim[Int](3,4) mat(1)(2)=3
                                       ^
       error: value mat is not a member of Array[Array[Int]]
                                              ^
       error: Int(1) does not take parameters
```