

21000123 - 2021/CS/012
R.G.P. Arunashantha
Tutorial 03

1)

```
object one{
  def rvs(str:String):String={
    if(str.length==1) str
    else rvs(str.tail)+str.head
  }

  def main(args: Array[String]): Unit={
    var str="Hello"
    str = rvs(str)
    println(str)
  }
}
```

olleH

2)

```
object two{
  def fives(list: List[String]): List[String] = {
    list.filter(_.length > 5)
  }

  def main(args: Array[String]): Unit={
    val list1 = List("Hello..", "My", "Name", "Is", "Geethika")
    val list2 = fives(list1)
    println(list1)
    println(list2)
  }
}
```

List(Hello, My, Name, Is, Geethika)
List(Geethika)

3)

```
object three{
  def mean(num1: Int, num2: Float): Float = {
    roundIt((num1+num2)/2.0f)
  }

  def roundIt(num: Float): Float = {
    (num*100).round / 100.0f
  }

  def main(args: Array[String]): Unit={
    val (num1, num2) = (5, 4.9876f)
    val numMean = mean(num1, num2)
    println(numMean)
  }
}
```

4.99