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Scala Tutorial 3

GitHub repository - https://github.com/Uchiha-16/Scala-Turorials.git

Q1)

```scala
object  AREA{
   def main(args: Array[String]): Unit = {
      var r = 5.0
      println(area(r))
  }
  def area(r:Double) = math.Pi * r * r

}
```

```
Scala - Q1.scala:9 ✔

78.53981633974483
[Finished in 2.422s]
```

Q2)

```scala
object  AREA{
   def main(args: Array[String]): Unit = {
      var celcius = 35.0
      println(CtoF(celcius))
  }
  def CtoF(x:Double) = x * 1.8000 + 32.00

}

```

Scala - Q2.scala:9 ✔

```
95.0
[Finished in 2.139s]
```

Q3)

```scala
object  AREA{
   def main(args: Array[String]): Unit = {
      var r = 5.0
      println(volume(r))
  }
  def volume(r:Double) = (4.0/3.0) * math.Pi * r * r * r

}
```

Scala - Q3.scala:1 ✔

```
523.5987755982989
[Finished in 2.219s]
```

Q4)

```scala
object COST{
    def main(args: Array[String]): Unit = {
      var total:Double = (bookPrice(60) - discount(bookPrice(60)) + shippingCost(60))
      println("Total wholesale cost for 60 book: Rs." + total)
    }


    def shippingCost(x:Int):Double = 3 * x+(x-50) *.75

    def discount(amount:Double):Double = amount*.4

    def bookPrice(x:Int):Double= x * 24.95

}

```

Scala - Q4.scala:1 ✔

```
Total wholesale cost for 60 book: Rs.1085.6999999999998
[Finished in 2.23s]
```

Q5)

```scala
object RUN{
   def main(args: Array[String]): Unit = {
     var total: Int = easy(2)+tempo(3)+easy(2)
      println("Total running time: " + total)
  }
    def tempo(x:Int):Int=x*7

    def easy(x:Int):Int=x*8
}

```

Scala - Q5.scala:10 ✔

```
Total running time: 53
[Finished in 2.475s]
```