Scala Tutorial 3

1. **Question1**

```
import math.Pi
object answer1{

  def main(args: Array[String]): Unit ={

    def area(r:Int):Double= Pi*r*r
    printf("Area of the Disk is : %.2f",area(5))

}
}
```

2. **Question 2**

```
object answer8{

  def main(args: Array[String]): Unit = {

    var scale= 9/5

    //converting celcius to fahrenhite
    def celFah(c:Double):Double=(c*1.8)+32.00
    printf("Celcius in Fahrenhite %.2f",celFah(35))


  }
}
```

3. **Question 3**

```
import math.Pi
object answer3{

  def main(args: Array[String]): Unit = {

    def volume(r:Int):Double= (4/3)*Pi*r*r*r
    printf("Volume of the Sphere is : %.2f",volume(5))
  }
}
```

4. **Question 4**

```
object answer4{

  def main(args: Array[String]): Unit = {

    def init(c:Int):Double=24.95*0.6*c
    def shipping(c:Int):Double=if(c>50) (150+(c-
50)*0.75).toDouble else (c*3).toDouble
    def cost(c:Int):Double=init(c)+shipping(c)
    printf("Final Cost is %.2f",cost(60))

  }
}
```

5. **Question 5**

```
object answer5{

  def main(args: Array[String]): Unit = {

    def easy(e:Int):Int=e*8
    def tempo(t:Int):Int=t*7
    def total(e:Int,t:Int)=easy(e)+tempo(t)

    printf("Total Running Time : %d minutes",total(4,3))
  }
}
```