22001212 - Practical 09

01)

```
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09> scala 22001

Enter the deposit amount = 25000

Interest for 25000.0 is 1000.0

PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09>
```

```
$ 22001212_q2.scala \times \{ }
$ 22001212_q2.scala \times \{ }
$ 22001212_q2.scala \times \{ }
$ object patternMatcher:\Int=\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\times\ti\times\times\times\times\times\times\times\times\times\times\time
```

```
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09> scala 22001212_q2.scala 95
Odd number is given
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09> scala 22001212_q2.scala 86
Even number is given
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09> scala 22001212_q2.scala -5
Negative/Zero is input
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09> scala 22001212_q2.scala
Please provide an integer input as an argument.
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09>
```

```
22001212_q3.scala > ...
     object Formatter{
        val toUpper:String =>String = _.toUpperCase;
       val toLower:String =>String = _.toLowerCase;
        def formatNames(name:String)(formatFunction:String =>String):String = {
          formatFunction(name);
        def main(args: Array[String]): Unit = {
          println(formatNames("Benny")(toUpper));
          println(formatNames("Niroshan")(name => {
            val (first, rest) = name.splitAt(2);
           first.toUpperCase+rest.toLowerCase;
          }));
          println(formatNames("Saman")(toLower));
          println(formatNames("Kumara")(name => {
           val (first, rest) = name.splitAt(name.length - 1);
           first+rest.toUpperCase;
          }));
23
```

```
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09> scala 22001212_q3.scala BENNY
NIroshan
saman
KumarA
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 09>
```