01)

```
■ 22001212_q1.scala > {} InventoryManagement > 😭 main
     object InventoryManagement {
       var itemNames: Array[String] = Array("Sugar", "Rice", "Dhal", "Flour");
       var itemQuantities: Array[Int] = Array(20, 55, 30,45);
       def displayInventory(names: Array[String], quantities: Array[Int]): Unit = {
         println("Current Inventory:");
         println("Item Name"+" "*4+"|"+"Quantity");
         for ((name, quantity) <- names zip quantities) {</pre>
           println(f"$name%-12s | $quantity");
         println();
       def restockItem(names: Array[String], quantities: Array[Int], itemName: String, quantity: Int): Unit = {
         val i = names.indexOf(itemName);
             quantities(i)+=quantity;
             println(quantity+" of "+itemName+" restocked to the system");
             println("Item is not found to restock");
       def sellItem(names: Array[String], quantities: Array[Int], itemName: String, quantity: Int): Unit = {
         val i=names.indexOf(itemName);
              if(quantities(i)>=quantity){
                  quantities(i)-=quantity;
                  println(quantity+" of "+itemName+" sold");
```

```
[Running] scala "c:\Users\User\Desktop\UCSC\2nd Year Sen
there were 2 deprecation warnings; re-run with -deprecat
1 warning found
Current Inventory:
Item Name
             |Quantity
             1 20
Sugar
Rice
             | 55
Dhal
             l 30
Flour
             45
50 of Flour restocked to the system
15 of Sugar sold
Current Inventory:
Item Name
             |Quantity
Sugar
             15
Rice
             | 55
Dhal
             I 30
Flour
             l 95
[Done] exited with code=0 in 9.704 seconds
```

02)

```
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 04> scala 22001212_q2.scala Input Number>88

Even number is given
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 04> scala 22001212_q2.scala Input Number>-5

Negative number/Zero is input
PS C:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS 2204 - Functional Programming\Practical 04>
```

```
≤ 22001212_q3.scala > {} StringFormat > ☆ main
     object StringFormat{
          def toUpper(string:String):String={
              return string.toUpperCase();
          def toLower(string:String):String={
              return string.toLowerCase();
          def formatNames(name: String)(formatFunc: String => String): String = formatFunc(name);
          def main(args:Array[String]):Unit={
              val inputs=List("Benny","Niroshan","Saman","Kumara");
              for(i<- 0 to inputs.length-1){</pre>
                  if(inputs(i)=="Benny"){
                      println(toUpper(inputs(i)));
                  else if(inputs(i)=="Niroshan"){
                      val(firstTwo,last)=inputs(i).splitAt(2);
                      println(toUpper(firstTwo)+toLower(last));
                  else if(inputs(i)=="Saman"){
                      println(toLower(inputs(i)));
                  else if(inputs(i)=="Kumara"){
                      val t=inputs(i).last;
                      val mid=inputs(i).tail.init;
                      println(inputs(i).head+toLower(mid)+toUpper(t.toString()));
```

```
[Running] scala "c:\Users\User\Desktop\UCSC\2nd Year Sem-01\SCS
there was 1 deprecation warning; re-run with -deprecation for d
1 warning found
BENNY
NIroshan
saman
KumarA
[Done] exited with code=0 in 7.833 seconds
```