Assignment 17

Q1. Define a class SavingAccount(accNo, name, balance, miniBalance). Define appropriate constructors and operations withdraw(), deposit(), viewBalance(). Create an array of SavingAccount object s and perform operations and display them.

Ans:

```
import scala.collection.mutable.ListBuffer

import scala.io.StdIn.{readInt, readLine}

import scala.language.postfixOps


class Saving

{

	var accNo = new ListBuffer[Int]()

	accNo += (1234,5678,8759,1188)

	var name = new ListBuffer[String]()

	name += ("ram", "sham","radha","sita")

	var balance = new ListBuffer[Int]()

	balance += (7876,67389,4569,4356)

	var minBalance = new ListBuffer[Int]()

	minBalance += (1000,1000,1000,1000)


	def viewBalance(): Unit =

	{

		println("account number => "+accNo+"\t Name => "+name+"\t balance =>
"+balance+"\t minimun balance => "+minBalance)

	}


	def deposit(): Unit =

	{

		var add_bal :Int = 0

		println("enter the account number that you want to deposit => ")

		val acc_no1 = readInt()
```

```
                val a = accNo.indexOf(acc_no1)
                println("enter the amount that you want to deposit => ")
                add_bal = readInt()
                balance(a) += add_bal
                println(" amount deposit successfully => "+balance(a))
        }

        def withdrawal(): Unit =
        {
                var sub_bal : Int = 0
                println("enter the account number that you want to withdraw => ")
                val acc_no2 = readInt()

                val b = accNo.indexOf(acc_no2)
                println("enter the amount that you want to withdraw => ")
                sub_bal = readInt()
                balance(b) -= sub_bal
                println(" amount withdraw successfully => "+balance(b))
        }
}

object Saving_Account
{
        def main(args: Array[String]): Unit =
        {
                val obj1 = new Saving()
                println("enter 1 for withdrawal \n "+"2 for deposit \n "+"3 for viewBalance \n ")
                        val choice = readInt()
                if(choice == 1)
                {
                        obj1.withdrawal()
```

```
                }
                else if(choice == 2)
                {
                        obj1.deposit()
                }
                else if(choice == 3)
                {
                        obj1.viewBalance()
                }
                else
                        println(" you have enter the worng number ")
        }
}
```

Output

```
enter 1 for withdrawal
 2 for deposit
 3 for viewBalance

1
enter the account number that you want to withdraw =>
1234
enter the amount that you want to withdraw =>
700
 amount withdraw successfully => 7176

enter 1 for withdrawal
 2 for deposit
 3 for viewBalance

2
enter the account number that you want to deposit =>
```

1234

enter the amount that you want to deposit =>

2000

amount deposit successfully => 9876

enter 1 for withdrawal

2 for deposit

3 for viewBalance

3

account number => ListBuffer(1234, 5678, 8759, 1188) Name => ListBuffer(ram, sham, radha, sita) balance => ListBuffer(7876, 67389, 4569, 4356) minimun balance => ListBuffer(1000, 1000, 1000, 1000)