

Assignment 13

Q1. Write a program to merge two sets of integers and calculate sum of all integers in the merged set. Also display largest and smallest element from merged set

Ans:

```
object Set_sum
{
    def main(args:Array[String])
    {
        val s1 = Set(1,2,3,4,5,6)
        val s2 = Set(9,8,7,6,5,3)
        println("set 1 => "+s1)
        println("set 2 => "+s2)
        //merge 2 set
        val s3 = s1 ++ s2
        println("Merge set => "+s3)
        println("sum of merge set => "+s3.sum)
        println("minimum of merge set => "+s3.min)
        println("maximum of merge set => "+s3.max)
    }
}
```

Output:

```
set 1 => HashSet(5, 1, 6, 2, 3, 4)
set 2 => HashSet(5, 6, 9, 7, 3, 8)
Merge set => HashSet(5, 1, 6, 9, 2, 7, 3, 8, 4)
sum of merge set => 45
minimum of merge set => 1
maximum of merge set => 9
```