Assignment 20

Q1. Create a list of 10 random numbers. Create another list from members of first list using function 3n^2+4n+6. Display second list in ascending order

Ans:

object list_random

{

    def main(args:Array[String])

    {

        val a = List(12,43,65,8,32,87,1,5,78,89)

        val b = a.map(n => 3 * n * n + 4 * n +6)

        println("value of a => "+a)

        println("value of b => "+b)

        println(" ascending order of b => "+b.sorted)

    }

}

Output:

value of a => List(12, 43, 65, 8, 32, 87, 1, 5, 78, 89)

value of b => List(486, 5725, 12941, 230, 3206, 23061, 13, 101, 18570, 24125)

 ascending order of b => List(13, 101, 230, 486, 3206, 5725, 12941, 18570, 23061, 24125)