1. **Write a Scala program to check the largest number among three given integers.**

```
var a: Int = 70
var b: Int = 40
var c: Int = 100

if (a > b)
{

        if(a > c)
        {
                println("a is largest");
        }

        else
        {
                println("c is largest")
        }

}

else
{


        if(b > c)
        {
                println("b is largest")
        }

        else
        {
                println("c is largest")
        }
}
```

2) Write a Scala program to reverse an array of integer values.

```
var nums1 = Array(1789, 2035, 1899, 1456, 2013)
    println("Orginal array:")
    for ( x <- nums1) {
      print(s"${x}, ")
     }
    var result1= test(nums1)
    println("\nReversed array:")
    for ( x <- result1) {
      print(s"${x}, ")
     }

def test(nums: Array[Int]): Array[Int] = {
    var temp1 = 0
    var temp2 = 0
    var index_position = 0
    var index_last_pos = nums.length - 1
    while (index_position < index_last_pos) {
    temp1 = nums(index_position)
    temp2 = nums(index_last_pos)
    nums(index_position) = temp2
    nums(index_last_pos) = temp1
    index_position += 1
    index_last_pos -= 1
     }
    nums
}
```

3) Write a Scala code to merge two integer arrays into a third array

```
var IntArray1 = Array(10,11,12,13,14,15)
    var IntArray2 = Array(20,21,22,23,24,25)
    var IntArray3 = new Array[Int](12)
    var count:Int=0
    var count1:Int=0

    while(count<12)
    {
      if(count<6)
      IntArray3(count)=IntArray1(count)
      else
      {
        IntArray3(count)=IntArray2(count1)
        count1=count1+1
      }
      count=count+1
    }

    println("Elements of merged array:")
    count=0
    while(count<12)
    {
      printf("%d ",IntArray3(count))
      count=count+1
    }
```