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

// taking three variables

var a: Int = 70

var b: Int = 40

var c: Int = 100

// condition\_1

if (a > b)

{

// condition\_2

if(a > c)

{

println("a is largest");

}

else

{

println("c is largest")

}

}

else

{

// condition\_3

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

// Merge IntArray1 and IntArray2 into IntArray3.

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

}