Exp 2

1. Scala program to find largest number among two numbers.

Online Scala IDE

```scala
object MyClass {

    def main(args: Array[String]) {
        var num1:Int= 10
        var num2:Int=30
        var large:Int=0

        large = if (num1 > num2) num1 else num2

        println("Largest number is: "+large)
    }
}
```

Execute Mode, Version, Inputs & Arguments

2.13.6 ⌄   ⬜ Interactive   Stdin Inputs

CommandLine Arguments

▶ Execute

Result
CPU Time: 7.02 sec(s), Memory: 166712 kilobyte(s)   executed in 3.128 sec(s)

```
Largest number is: 30

warning: 1 deprecation (since 2.13.0); re-run with -deprecation for details
```

2. Scala program to find a number is positive, negative or positive.

Online Scala IDE

```scala
object NumberCheck {
    def main(args: Array[String]): Unit = {
        val n: Int = 0

        if (n > 0) {
        println(s"The number $n is positive.")
        }
        else if (n < 0)
        {
        println(s"The number $n is negative.")
        }
        else
        {
        println("The number is zero.")
        }
    }
}
```

Execute Mode, Version, Inputs & Arguments

2.13.6 ⌄   ⬜ Interactive   Stdin Inputs

CommandLine Arguments

▶ Execute

Result
CPU Time: 4.80 sec(s), Memory: 144440 kilobyte(s)   executed in 2.885 sec(s)

```
The number is zero.
```

3. Scala program to demonstrate example of multiple variables declarations and assignments.

Online Scala IDE

```
1
2  object Examp {
3    def main(args: Array[String]) {
4
5        var (address,mobile) = ("new york", 5966);
6
7        //print values
8        println("Address:   "+address);
9        println("Mobile:    "+mobile);
10   }
11  }
12
13
14
```

Execute Mode, Version, Inputs & Arguments

2.13.6 ▼   ⬜ Interactive   Stdin Inputs

CommandLine Arguments

▶ Execute

Result
CPU Time: 7.96 sec(s), Memory: 157236 kilobyte(s)   executed in 4.031 sec(s)

```
Address:   new york
Mobile:    5966

warning: 1 deprecation (since 2.13.0); re-run with -deprecation for details
```

4. Scala program to print numbers from 1 to 10 using for loop.

Online Scala IDE

```
1
2  object Loop {
3    def main(args: Array[String]) {
4        var count: Int=0;
5
6        for(count <- 1 to 10)
7          print(count + " ");
8
9        // to print new line
10        println();
11   }
12  }
```

Execute Mode, Version, Inputs & Arguments

2.13.6 ▼   ⬜ Interactive   Stdin Inputs

CommandLine Arguments

▶ Execute

Result
CPU Time: 6.61 sec(s), Memory: 166444 kilobyte(s)   executed in 3.322 sec(s)

```
1 2 3 4 5 6 7 8 9 10

warning: 2 deprecations (since 2.13.0); re-run with -deprecation for details
```

5. Write a program using Scala to print odd and even numbers from a range.

Online Scala IDE

```
1
2    object eve{
3        def main(args:Array[String]){
4            var num:Int= 56
5            var result:String=""
6
7            result = if (num%2==0) "EVEN" else "ODD"
8
9            println("Number is: "+result)
10       }
11   }
```

∨ Execute Mode, Version, Inputs & Arguments

[2.13.6 ▾]   [⬤] Interactive

CommandLine Arguments

[   ]

Stdin Inputs

[   ]

▶ **Execute**   [▣] [•••] [⛶]

Result
CPU Time: 7.80 sec(s), Memory: 157684 kilobyte(s)   executed in 3.557 sec(s)

```
Number is: EVEN

warning: 1 deprecation (since 2.13.0); re-run with -deprecation for details
```