```scala
/Scala program to print your name/
   object ExPrintName {
     def main(args: Array[String]) {
        println("My name is Mike!")
     }
   }

/*Scala Program to find largest number among two numbers./

   object ExFindLargest {
     def main(args: Array[String]) {
       var number1=20;
       var number2=30;
       var x = 10;

       if( number1>number2){
         println("Largest number is:" + number1);
       }
       else{
          println("Largest number is:" + number2);
       }
     }
   }

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

   object ExCheckNumber {
     def main(args: Array[String]) {

         /*declare a variable/
         var number= (-100);
   /*Scala program to find a number is positive, negative or positive./

   object ExCheckNumber {
     def main(args: Array[String]) {

         /*declare a variable/
         var number= (-100);

       if(number==0){
          println("number is zero");
       }
       else if(number>0){
          println("number is positive");
```

```scala
        }
      else{
          println("number is negative");
      }
    }
  }

object ExampleString {
  def main(args: Array[String]) {

      //declare and assign string variable "text"
      val text : String = "You are reading SCALA programming language.";

      //print the value of string variable "text"

      println("Value of text is: " + text);

  }
}

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

object ExampleVarDecAndAssin {
  def main(args: Array[String]) {

      var (name: String, age: Int) = Pair("Mike",21);

      //print values
      println("Name: "+name);
      println("Age: "+age);

      //declaration without specifying data type
      var (address,mobile)=Pair("New Delhi, India",1234567890);

      //print values
      println("Address: "+address);
      println("Mobile: "+mobile);

  }
}

/*Scala program to print numbers from 1 to 100
using for loop.*/
```

```scala
object ExampleForLoop1 {
  def main(args: Array[String]) {
    var counter: Int=0;

    for(counter <- 1 to 100)
      print(counter + " ");

    // to print new line
    println();
  }
}
```

/*Scala program to print numbers from 1 to 100
using for loop with until to determine loop range.*/
```scala
object ExampleForLoop2 {
  def main(args: Array[String]) {
    var counter: Int=0;

    for(counter <- 1 until 101)
      print(counter + " ");

    // to print new line
    println();
  }
}
```

/*Scala program to demonstrate example of
collection list and for loop.*/

```scala
object ExampleForAndCollection {
  def main(args: Array[String]) {
    //declare an integer
    var N: Int=0;

    //declare integer list
    var numbers = List(100,200,300,400);

    //to print all numbers using for loop
    for(N<-numbers){
      println(N);
    }

  }
```

```scala
}

/*Scala program to create a user define function
to return largest number among two numbers.*/

object ExampleUDFToGetLargestNumber {
   //function definition
   def getLargestNumber(x: Int, y: Int) : Int ={
      var largestNumber: Int=0;
      if(x>y)
         largestNumber=x;
      else
         largestNumber=y;

      return largestNumber;
   }

   def main(args: Array[String]) {
      var a: Int=10;
      var b: Int=20;

      //function calling
      println("Largest number from "+ a+" and "+ b +" is: "+ getLargestNumber(a,b));

   }
}

/*Scala program of array - Declare, print
and calculate sum of all elements.*/

object ExampleArray1 {

  def main(args: Array[String]) {

     var numbers = Array(10,20,30,40,50);
     var N:Int=0;

     //print all array elements
     println("All array elements: ");
     for ( N <- numbers ) {
       println(N);
     }
     //calculating SUM of all elements
     var sum: Int=0;
```

```
    for ( N <- numbers ) {
       sum+=N;
    }
    println("Sum of all array elements: "+sum);


  }
}
```