

```
object ExPrintName {
  def main(args: Array[String]) {
    println("My name is Mike!")
  }
}

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);
    }
  }
}

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");
    }
    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);

  }
}

```

```

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);

  }
}

```

```
object ExampleForLoop2 {  
  def main(args: Array[String]) {  
    var counter: Int=0;  
  
    for(counter <- 1 until 101)  
      print(counter + " ");  
  
    // to print new line  
    println();  
  }  
}
```

```
object ExampleForLoop1 {  
  def main(args: Array[String]) {  
    var counter: Int=0;  
  
    for(counter <- 1 to 100)  
      print(counter + " ");  
  
    // to print new line  
    println();  
  }  
}
```

```

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);
    }
  }
}

```

```

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));

  }
}

```

```
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);  
  
  }  
}
```