

```
scala> object ExPrintName {  
    |         def main(args: Array[String]) {  
    |             println("My name is Arjun!")  
    |         }  
    |     }  
defined object ExPrintName  
  
scala> ExPrintName.main(Array())  
My name is Arjun!  
  
scala>
```

```
scala> /**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);  
    |             }  
    |         }  
    |     }  
defined object ExFindLargest  
  
scala> ExFindLargest.main(Array())  
Largest number is:30
```

```

scala> ExCheckNumber.main(Array())
number is negative

scala> 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);
|   }
| }
defined object ExampleString

scala> ExampleString.main(Array())
Value of text is: You are reading SCALA programming language.

```

```

scala> /**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");
|           }
|           else{
|               println("number is negative");
|           }
|       }
|   }
defined object ExCheckNumber

scala> ExCheckNumber.main(Array())
number is negative

```

```
scala> /*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);
      |
      |   }
      | }
warning: there were two deprecation warnings (since 2.11.0); for details, enable `:setting -deprecation'
defined object ExampleVarDecAndAssin

scala> ExampleVarDecAndAssin.main(Array())
Name:  Mike
Age:   21
Address:  New Delhi, India
Mobile:  1234567890
```

```
scala> /*Scala program to print numbers from 1 to 100
      | using for loop.*/
      |
      | object ExampleForLoop1 {
      |   def main(args: Array[String]) {
      |     var counter: Int=0;
      |
      |     for(counter <- 1 to 100)
      |       print(counter + " ");
      |
      |     // to print new line
      |     println();
      |   }
      | }
defined object ExampleForLoop1

scala> ExampleForLoop1.main(Array())
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 8
5 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

scala>
```

```

scala> /*Scala program to print numbers from 1 to 100
      | using for loop with until to determine loop range.*/
      |
      | object ExampleForLoop2 {
      |   def main(args: Array[String]) {
      |     var counter: Int=0;
      |
      |     for(counter <- 1 until 101)
      |       print(counter + " ");
      |
      |     // to print new line
      |     println();
      |   }
      | }
defined object ExampleForLoop2

scala> ExampleForLoop2.main(Array())
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 8
5 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

```

```

scala> /*Scala program to demonstrate example of
      | collection list and for loop.*/
      |
      | 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);
      |     }
      |   }
      | }
defined object ExampleForAndCollection

scala> ExampleForAndCollection.main(Array())
100
200
300
400

scala>

```

```
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));
|   }
| }
defined object ExampleUDFToGetLargestNumber

scala> ExampleUDFToGetLargestNumber.main(Array())
Largest number from 10 and 20 is: 20

scala>
```

```
scala> /*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);
|     }
| }
defined object ExampleArray1

scala> ExampleArray1.main(Array())
All array elements:
10
20
30
40
50
Sum of all array elements: 150

scala>
```