object ExPrintName {

def main(args: **Array**[**String**]) {

println("My name!")

}

}

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 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 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");

}

}

}

class Circle {

val radius = 5;

def calcArea = {

println(radius \* radius )

}

}

class Sphere extends Circle{

override def calcArea = {

println(radius \* radius \* radius )

}

}

object SphereObject{

def main(args : Array[String]){

new Sphere().calcArea

}

}

1. **class** Vehicle{
2. **def** run(){
3. println("vehicle is running")
4. }
5. }
7. **class** Bike **extends** Vehicle{
8. override **def** run(){
9. println("Bike is running")
10. }
11. }
13. **object** MainObject{
14. **def** main(args:Array[String]){
15. **var** b = **new** Bike()
16. b.run()
17. }
18. }
19. abstract **class** Bike{
20. **def** run()
21. }
23. **class** Hero **extends** Bike{
24. **def** run(){
25. println("running fine...")
26. }
27. }
29. **object** MainObject{
30. **def** main(args: Array[String]){
31. **var** h = **new** Hero()
32. h.run()
33. }
34. }
35. **class** ExceptionExample{
36. **def** divide(a:**Int**, b:**Int**) = {
37. **try**{
38. a/b
39. }**catch**{
40. **case** e: ArithmeticException => println(e)
41. }
42. println("Rest of the code is executing...")
43. }
44. }
45. **object** MainObject{
46. **def** main(args:Array[String]){
47. **var** e = **new** ExceptionExample()
48. e.divide(100,0)
50. }
51. }
52. **import** scala.util.control.Breaks.\_                  // Importing  package
53. **object** MainObject {
54. **def** main(args: Array[String]) {
55. breakable {                                 // Breakable method to avoid exception
56. **for**(i<-1 **to** 10 by 2){
57. **if**(i==7)
58. break                           // Break used here
59. **else**
60. println(i)
61. }
62. }
63. }
64. }
65. **class** Student(id:**Int**, name:String){
66. **def** showDetails(){
67. println(id+" "+name);
68. }
69. }
71. **object** MainObject{
72. **def** main(args:Array[String]){
73. **var** s = **new** Student(101,"Rama");
74. s.showDetails()
75. }
76. }
77. **import** scala.collection.immutable.\_
78. **object** MainObject{
79. **def** main(args:Array[String]){
80. **var** list = List(1,8,5,6,9,58,23,15,4)
81. **var** list2:List[**Int**] = List(1,8,5,6,9,58,23,15,4)
82. println(list)
83. println(list2)
84. }
85. }
86. **class** A{
87. **var** salary1 = 10000
88. }
90. **class** B **extends** A{
91. **var** salary2 = 20000
92. }
94. **class** C **extends** B{
95. **def** show(){
96. println("salary1 = "+salary1)
97. println("salary2 = "+salary2)
98. }
99. }
101. **object** MainObject{
102. **def** main(args:Array[String]){{
103. **var** c = **new** C()
104. c.show()
106. }
107. }