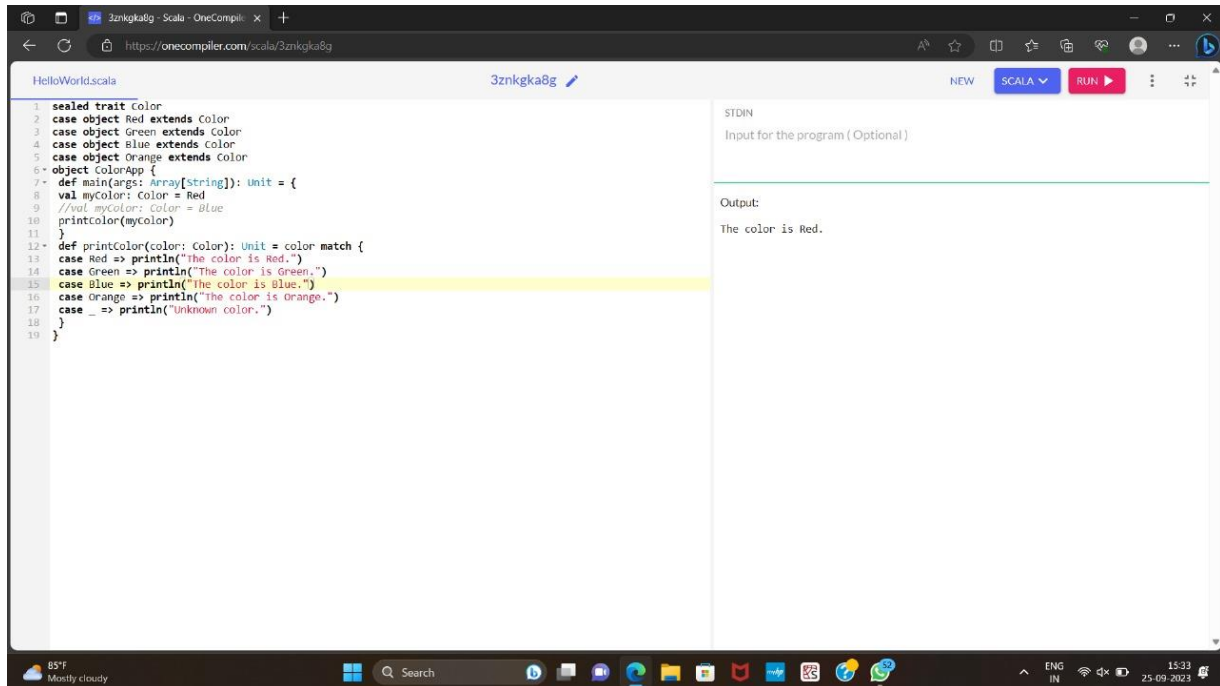


LAB-10

ABHINANDAN SINGH PARMAR

22BTRAD001



The screenshot shows a web-based Scala IDE. The code editor on the left contains the following Scala code:

```
1 sealed trait Color
2 case object Red extends Color
3 case object Green extends Color
4 case object Blue extends Color
5 case object Orange extends Color
6 object ColorApp {
7   def main(args: Array[String]): Unit = {
8     val myColor: Color = Red
9     //val myColor: Color = Blue
10    printColor(myColor)
11  }
12  def printColor(color: Color): Unit = color match {
13    case Red => println("The color is Red.")
14    case Green => println("The color is Green.")
15    case Blue => println("The color is Blue.")
16    case Orange => println("The color is Orange.")
17    case _ => println("Unknown color.")
18  }
19 }
```

The right-hand pane shows the output of the program:

```
STDIN
Input for the program ( Optional )

Output:
The color is Red.
```

The browser's taskbar at the bottom shows the date as 25-09-2023 and the time as 15:33.

Code:

sealed trait Color

case object Red extends Color

case object Green extends Color

case object Blue extends Color

case object Orange extends Color

case object Purple extends Color

object ColorApp {

```
def main(anything: Array[String]): Unit = {  
    val myColor: Color = Blue  
    //val myColor: Color = Blue  
    printColor(myColor)  
}  
  
def printColor(color: Color): Unit = color match {  
    case Red => println("The color is Red.")  
    case Green => println("The color is Green.")  
    case Blue => println("The color is Blue.")  
    case Orange => println("The color is Orange.")  
    case _ => println("Unknown color.")  
}  
}
```

Output:

The color is Blue.