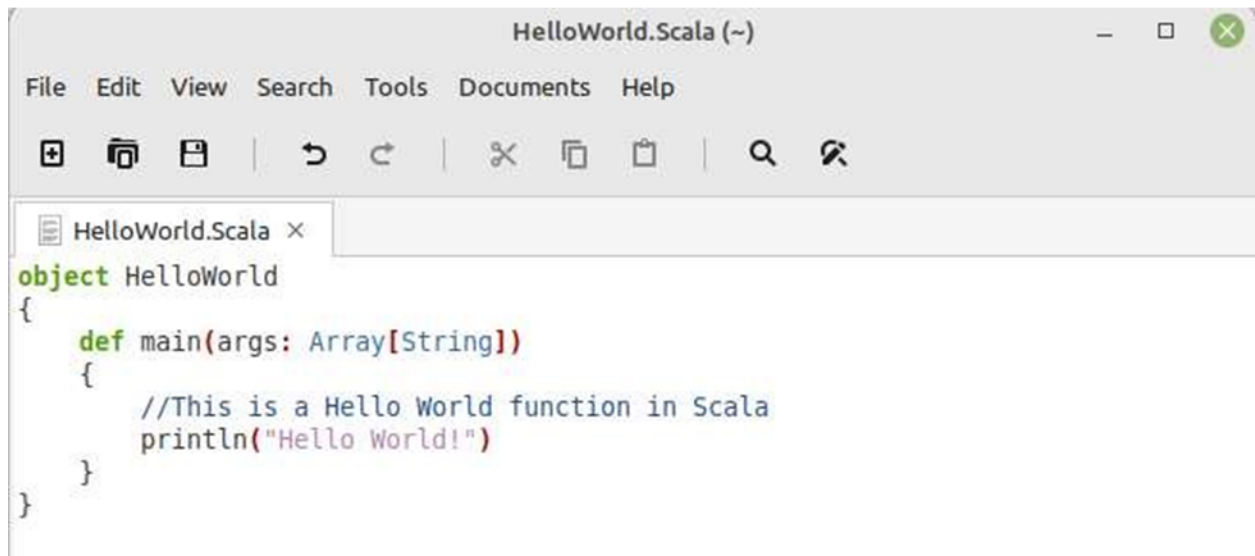


LAB 10 SCALA PROGRAM HELLO WORLD :- FROM ONLINE SCALA IDE

```
1 object HelloWorld {
2   def main(args: Array[String]) {
3     println("Hello world")
4   }
5 }
```

Hello world



```
object HelloWorld
{
    def main(args: Array[String])
    {
        //This is a Hello World function in Scala
        println("Hello World!")
    }
}
```

SCALA WORD COUNT PROGRAM :-

```
val data=sc.textFile("sparkdata.txt")

data.collect;

val splitdata = data.flatMap(line => line.split(" "));

splitdata.collect;

val mapdata = splitdata.map(word => (word,1));

mapdata.collect;

val reducedata = mapdata.reduceByKey(_+_);

reducedata.collect;
```

OUTPUT:-

```

hadoop@wave-ubu: /hadoop_files/$ cd ~/countwords$ spark-shell -i countwords.scala
21/06/14 13:01:47 WARN Utils: Your hostname, wave-ubu resolves to a loopback address: 127.0.1.1; using
21/06/14 13:01:47 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
21/06/14 13:01:47 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... usi
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
Spark context Web UI available at http://192.168.2.7:4040
Spark context available as 'sc' (master = local[*], app id = local-1623655911213).
Spark session available as 'spark'.
wasn't: 6
what: 5
as: 7
she: 13
it: 23
he: 5
for: 6
her: 12
the: 30
was: 19
be: 8
it: 7
out: 11
had: 5
would: 7
in: 9
you: 6
that: 8
a: 9
or: 5
to: 20
I: 5
of: 6
and: 16
Welcome to

```