

Scala File handling

Scala provides predefined methods to deal with file. You can create, open, write and read file. Scala provides a complete package `scala.io` for file handling.

In this chapter, we will discuss all these file operations in detail.

Scala Creating a File Example

Scala doesn't provide file writing methods. So, you have to use the Java `PrintWriter` or `FileWriter` methods.

```
import java.io._

val fileObject = new File("ScalaFile.txt" ) // Creating a file

val printWriter = new PrintWriter(fileObject) // Passing reference of file to the
printwriter

printWriter.write("Hello, This is scala file") // Writing to the file

printWriter.close() // Closing printwriter
```

The above code will create a text file `ScalaFile.txt`. After creating file `printwriter` is used to write content to this file.

Scala Reading File Example: Reading Each Charecter

```
import scala.io.Source

object MainObject{

  def main(args:Array[String]){

    val filename = "ScalaFile.txt"

    val fileSource = Source.fromFile(filename)

    while(fileSource.hasNext){

      println(fileSource.next)

    }

  }

}
```

```
fileSource.close()
```

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Scala provides file reading methods. In the above code, we have imported scala.io package and Source class is used to access file related methods like fromFile().

You must close file reference after reading or writing file by using close() method.

Scala Reading a File Example: Reading Each Line

```
import scala.io.Source

object MainObject{

  def main(args:Array[String]){

    val filename = "ScalaFile.txt"

    val fileSource = Source.fromFile(filename)

    for(line<-fileSource.getLines){

      println(line)

    }

    fileSource.close()

  }

}
```

Output:

Hello, This is scala file

Apart from these for all kind of file handling operations, you need to use java.io package to access file methods.