Practical No:17

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Objective: WAP to create. write and read files in java.

Code :

```java
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.RandomAccessFile;
import java.util.Scanner;

public class _02_readingFiles {
    public static void main(String[] args) throws Exception{

        String path="java/_02_ReadingWritingFiles";
        File newFile= new File(path);
        try {
            newFile.createNewFile();
        } catch (Exception e) {
            //TODO: handle exception
            System.out.println("Exception occured!!!!");
        }

        String str= "Hello World";

        // writing in files ----> clears the previous content
        FileWriter fout= new FileWriter(path);
        fout.write(str);
        fout.close();

        // String path="hello.txt";
        // String path2="_02_ReadingWritingFiles copy";

        // // reading with FileReader
        // FileReader fin= new FileReader(path);
        // int i;
        // do{
        //     i=fin.read();
        //     System.out.print((char)i);
```

```java
        // }while (i!= -1);
        // fin.close();



        // reading with FileReader
        FileReader fin= new FileReader(path);
        int i;
        while ((i=fin.read())!=-1) {
            System.out.print((char)i);
        }
        fin.close();

        System.out.println();


        // reading with Scanner class
        FileReader fileObj= new FileReader(path);
        Scanner sc= new Scanner(fileObj).useDelimiter("\n");
        while( sc.hasNextLine()){
            System.out.println(sc.nextLine());
        }
        sc.close();



        // appending in files ----> appending in the previous content
        // RandomAccessFile fout= new RandomAccessFile(path2, "rw");
        // fout.seek(fout.length()); // end of the file
        // fout.writeBytes(str);
        // fout.writeChars(str);
        // for (char ch : str.toCharArray()) {
        //     if(ch!='\0')
        //     fout.writeChar(ch);
        // }
        // fout.close();
    }
}
```

Output:

PS D:\01_Java\Deepankar\java Programming_9_NovFileHandling> cd "d:\01_Java\Deepankar\java Programming_9_NovFileHandling\" ; if ($?) { javac _02_readingFiles.java } ; if ($?) { java _02_readingFiles }

Hello World

Hello World