Practical 10:- File Handling Using Java:

1.Write a programme to count occurrence of a given words in a file.

```java
import java.io.BufferedReader;

import java.io.FileReader; import
java.io.IOException;
import java.util.Scanner;

class WordCounter {
    public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);
        System.out.println("Enter the file path: ");
        String filePath = scanner.nextLine();
        System.out.println("Enter the word to count: ");
String wordToCount = scanner.nextLine();        int
count = 0;

        try (BufferedReader reader = new BufferedReader(new
FileReader(filePath))) {
            String line;
            while ((line = reader.readLine()) != null) {
String[] words = line.split("\\s+");            for
(String word : words) {                if
(word.equals(wordToCount)) {
count++;
                }
            }
}

        System.out.println("The word \"" + wordToCount + "\" occurs " +
count + " times in the file.");        } catch (IOException e) {
        System.out.println("An error occurred while reading the file.");
e.printStackTrace();
        }
    }
}
```

OUTPUT:

```
hello my name is
this is 2nd line
this is 3rd line
```

```
PS C:\12302130501036> java WordCounter
Enter the file path:
C:\Users\Milan\Downloads\word.txt
Enter the word to count:
name
The word "name" occurs 1 times in the file.
```

2. Write a program to print it seltf.

```java
import java.io.*;

class SelfPrint {
   public static void main(String[] args) {
String filename = "SelfPrint.txt";        try
{
        // Read the source code of this program
        File inputFile = new File("SelfPrint.java");
        BufferedReader reader = new BufferedReader(new FileReader(inputFile));
        String line = reader.readLine();
        StringBuilder sourceCode = new StringBuilder();
while (line != null) {
            sourceCode.append(line).append("\n");
line = reader.readLine();
      }
        reader.close();
        // Write the source code to a file
        FileWriter writer = new FileWriter(filename);
writer.write(sourceCode.toString());           writer.close();
```

```
        System.out.println("Successfully wrote program source code to file " + filename);
    } catch (IOException e) {
        System.out.println("Error writing program source code to file " + filename);
e.printStackTrace();
        }
    }
}
```

Output :-

3. Write a program to display list of all the files of given directory
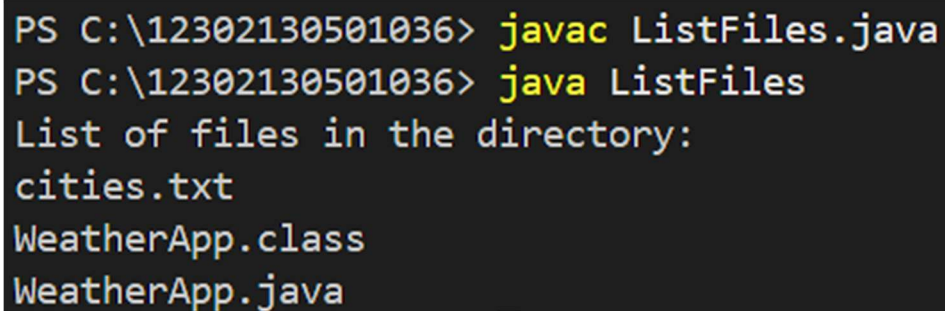
```
import java.io.File; class
ListFiles {
    public static void main(String[] args) {
        // specify the directory path
        String dirPath = "C:\\12302130501036\\project ";
```

```java
        // create a file object for the directory
        File directory = new File(dirPath);
    // check if the directory exists
        if (directory.exists() && directory.isDirectory()) {
            // get all the files in the directory
            File[] files = directory.listFiles();

            // iterate through the files and print their names
System.out.println("List of files in the directory:");        for
(File file : files) {
            System.out.println(file.getName());
        }
    } else {
        System.out.println("Directory does not exist.");
    }
  }

}
```

Output :-


```
PS C:\12302130501036> javac ListFiles.java
PS C:\12302130501036> java ListFiles
List of files in the directory:
cities.txt
WeatherApp.class
WeatherApp.java
```