**import** java.io.BufferedReader;

**import** java.io.File;

**import** java.io.FileInputStream;

**import** java.io.FileNotFoundException;

**import** java.io.FileOutputStream;

**import** java.io.FileReader;

**import** java.io.FileWriter;

**import** java.io.IOException;

**import** java.nio.charset.StandardCharsets;

**import** java.nio.file.Files;

**import** java.nio.file.Paths;

**import** java.nio.file.StandardOpenOption;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** FHAssignment {

**public** **static** **void** main(String[] args) **throws** IOException {

*createFileDemo1*();//creating file first method

*createFileDemo2*();//creating file second method

*createFileNIO*();//creating file third method

*readFile*();//reading file

}

**private** **static** **void** createFileDemo1() **throws** IOException {

File file = **new** File("e://files//demo//file1.txt");

**if** (file.createNewFile()) {

System.***out***.println("File created");

} **else** {

System.***out***.println("File already exists");

}

FileWriter fw = **new** FileWriter(file);

fw.write("This is some text");

fw.close();

}

**private** **static** **void** createFileDemo2() **throws** IOException {

String data = "This is create by new method.";

FileOutputStream fos = **new** FileOutputStream("e://files//demo//file2.txt");

fos.write(data.getBytes());

fos.close();

System.***out***.println("done");

}

**private** **static** **void** createFileNIO() **throws** IOException {

List<String> list = Arrays.*asList*("This is the first line","This is the second line");

Files.*write*(Paths.*get*("e://files//demo//file3.txt"), list,

StandardCharsets.***UTF\_8***,

StandardOpenOption.***CREATE***,

StandardOpenOption.***APPEND***);

}

**public** **static** **void** readFile() **throws** IOException {

BufferedReader bf = **new** BufferedReader(**new** FileReader("e://files//demo//file3.txt"));

**int** i;

**while**((i = bf.read()) != -1) {

System.***out***.print((**char**)i);

}

//System.out.println("file read");

}

}