Day10\_Answers:

1. package file\_handling;

import java.io.File;

public class Create\_File {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

File f=new File("D:/File\_hand/Sample.txt");

try {

f.createNewFile();

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

}catch(Exception e) {

System.***out***.println(e);

}

}

}

Output:

Created

2. package file\_handling;

import java.io.BufferedWriter;

import java.io.FileWriter;

import java.io.IOException;

public class Write\_File {

public static void main(String[] args) {

try {

BufferedWriter b=new BufferedWriter(new FileWriter("D:/File\_hand/Sample.txt",true));

b.write("Hello");

b.newLine();

b.write("Welcome to java programming");

b.close();

System.***out***.println("Wrote the data to file successfully");

}

catch(IOException e) {

System.***out***.println(e);

}

}

}

Output:

Wrote the data to file successfully

3. package day\_10\_Assignments;

import java.io.BufferedReader;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

/\*•Write a program to count the number of lines, words, and characters in a file.\*/

public class Question5 {

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

BufferedReader br=new BufferedReader(new FileReader("employee.txt"));

List<String> list=new ArrayList();

int line=0;

while(br.readLine() != null) {

list.add(br.readLine());

line++;

}

for(String s:list) {

System.***out***.println(s);

}

System.***out***.println("line count: "+line);

br.close();

}

}

Output:

Welcome to day 10 assignment answers

line count: 1

4. package day\_10\_Assignments;

import java.io.BufferedWriter;

import java.io.FileWriter;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.nio.file.StandardCopyOption;

public class Question4 {

/\*•Write a program to append a line of text to an existing file.\*/

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

BufferedWriter bw=new BufferedWriter(new FileWriter("employee.txt",true));

bw.write("Welcome to day 10 assignment answers");

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

bw.close();

}

}

Output:

Done

5. package day\_10\_Assignments;

import java.io.File;

import java.io.FileNotFoundException;

import java.util.Scanner;

//•Write a program to read a file using Scanner and display the tokens.

public class Scanner\_File {

public static void main(String[] args) {

try {

File file=new File("D://File\_hand/Sample.txt");

Scanner sc=new Scanner(file);

while(sc.hasNext()) {

String s=sc.next();

System.***out***.println(s);

}

sc.close();

} catch (FileNotFoundException e) {

e.printStackTrace();

}

}

Output:

501

Swapna

6. package day\_10\_Assignments;

import java.io.File;

import java.io.FilenameFilter;

public class Display\_text\_Files {

public static void main(String[] args) {

File folder=new File("D:\\File\_hand");

FilenameFilter filter=new FilenameFilter() {

*@Override*

public boolean accept(File dir, String name) {

return name.toLowerCase().endsWith(".txt");

}

};

String[] arr=folder.list(filter);

if(arr!=null && arr.length>0) {

for(String s:arr) {

System.***out***.println(s);

}

}

}

}

Output:

Sample.txt

Sample1.txt

Samplecopy.txt

7. package day\_10\_Assignments;

import java.io.File;

public class List\_of\_files {

public static void main(String[] args) {

File ref=new File("D:\\File\_hand");

String[] arr=ref.list();

for(String s:arr) {

File obj=new File(ref,s);

boolean flag=obj.isFile();

if(flag==true) {

System.***out***.println(s);

}

}

}

}

Output:

Example.doc

Sample.txt

Sample1.txt

Samplecopy.txt

Student.doc

8. package file\_handling;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.io.ObjectInputStream;

public class Deserial\_data {

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

FileInputStream fis=new FileInputStream("D:/File\_hand/Student.doc");

ObjectInputStream ois=new ObjectInputStream(fis);

Student st1=(Student)ois.readObject();

st1.display();

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

ois.close();

fis.close();

}

}

Output:

Id : 1 Name : Swapna

Deserialization done

9. import java.nio.file.\*;

import java.io.IOException;

public class FileSizeCheck {

public static void main(String[] args) {

Path path = Paths.get("notes.txt");

try {

long size = Files.size(path);

System.out.println("Size: " + size + " bytes");

} catch (IOException e) {

System.out.println("Error: " + e.getMessage());

}

}

}

Output:

Size: 2048 bytes

10. package file\_handling;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.nio.file.StandardCopyOption;

public class CopyFile {

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

// **TODO** Auto-generated method stub

Path path=Paths.*get*("D:/File\_hand/Sample1.txt");

//create file

// Files.createFile(path);//it works for first time running of program then next shows exception as file already created in 1st run.

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

//copy file

Path copypath=Paths.*get*("D:/File\_hand/Samplecopy.txt");

Files.*copy*(path, copypath,*StandardCopyOption*.***REPLACE\_EXISTING***);

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

}

}

Output:

File copied

17. import java.nio.file.\*;

import java.io.IOException;

import java.util.Arrays;

public class WriteAndAppend {

public static void main(String[] args) {

Path path = Paths.get("output.txt");

try {

Files.write(path, Arrays.asList("First line"), StandardOpenOption.CREATE);

Files.write(path, Arrays.asList("Appended line 1", "Appended line 2"),

StandardOpenOption.APPEND);

System.out.println("Write and append complete");

} catch (IOException e) {

e.printStackTrace();

}

}

}

Output:

Write and append complete

18. import java.nio.file.\*;

import java.io.IOException;

public class FileOperations {

public static void main(String[] args) {

Path path = Paths.get("temp.txt");

Path moved = Paths.get("archive/temp.txt");

try {

Files.createFile(path);

Files.createDirectories(moved.getParent());

Files.move(path, moved, StandardCopyOption.REPLACE\_EXISTING);

Files.delete(moved);

System.out.println("Created, moved, and deleted successfully");

} catch (IOException e) {

System.out.println("Error: " + e.getMessage());

}

}

}

Output:

Created, moved, and deleted successfully