

Java.io

- 1 Write a java program to read a filename and determine it's attributes like whether it is readable,writeable,executable,size,directory or a file. If the file does not exist a new file is created.
- 2 Write a java program to read text in multiple lines till user types stop, from the user and store it in a file.
- 3 Write a java program,that stores unique emailaddresses of the users.Each user creates a new email address,the program creates it only if it is not existing.
(use RandomAccessFile)
- 4 Write a program to copy contents from one file to another.
B modify the above program to copy the content of the file after compressing it.(removing spaces);
Check the size of the two files and note the result.
- 5 Write a java program that reads an username and password,and logs the time the user has logged in.

6
Analyse the following code:

```
import java.io.*;
public class OnlyExt implements FilenameFilter {
    String ext;
    public OnlyExt(String ext) {
        this.ext = "." + ext;
    }
    public boolean accept(File dir, String name) {
        return name.endsWith(ext);
    }
}
```

```
class DirListOnly {
    public static void main(String args[]) {
        String dirname = "/java";
```

```

File f1 = new File(dirname);
FilenameFilter only = new OnlyExt("html");
String s[] = f1.list(only);
for (int i=0; i < s.length; i++) {
System.out.println(s[i]);
}
}
}

```

- 7 Write a program to store an object of class Student with studid,name and marks as attributes in a file using the concept of serialization.and write a method to read back the content from the file to an object.

B Check if the hashcode of the object that is read back is same as that of the written object.