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Branch - CBA , Batch - 31

OOP Practical 16

Problem : A file handler system within an Operating system corresponding to file creation and manipulation should consists of the following features:

- Verify whether a particular file exists, if exists write to a file , otherwise create a new File.
- Input an array list within the file with names of students present within the session, along with printing the initial letter of your name.

Program :

```
package Hare_Krishna;

import java.io.File;
import java.io.FileWriter;
import java.io.IOException;

public class Prac_16
{
    static public void main(String... s)
    {
        try
        {
            File f = new File("OOP_p16.txt");
            String[] haribol =
                {
```

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```
"Krishna","Ram","Chaitanya","Gopinath","Madanmohan","Vasudev","Nar  
simha","Govinda"  
  
        };  
  
        if(f.exists())  
        {  
  
            System.out.println("File is already created");  
            FileWriter fw = new FileWriter("OOP_p16.txt");  
            for(int i=0 ; i<haribol.length-1; i++)  
            {  
  
                fw.write("Sri " + haribol[i] + "\n");  
  
            }  
            fw.close();  
        }  
        else  
        {  
  
            f.createNewFile();  
  
            System.out.println("File created successfully  
→"+f.getName());  
  
            FileWriter fw = new FileWriter("OOP_p16.txt");  
            for(int i=0 ; i<haribol.length-1; i++)
```

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```
        {  
            fw.write("Sri " + haribol[i] + "\n");  
        }  
        fw.close();  
    }  
}  
catch (IOException e)  
{  
    System.out.println("Something wrong happened!");  
}  
}  
}
```

Output :

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```
package Hare_Krishna;
import java.io.*;

public class Prac_16
{
    static public void main(String... s)
    {
        try
        {
            File f = new File(pathname: "OOP_p16.txt");
            String[] haribol =
            {
                "Krishna", "Ram", "Chaitanya", "Gopinath"
            };
            if(f.exists())
            {
                System.out.println("File is already created");
                FileWriter fw = new FileWriter( fileName: "OOP_p16.txt");
                for(int i=0; i<haribol.length-1; i++)
                {
                    fw.write( str: "Sri " + haribol[i] + "\n");
                }
                fw.close();
            }
            else
            {
                f.createNewFile();
                System.out.println("File created successfully");
                FileWriter fw = new FileWriter( fileName: "OOP_p16.txt");
                for(int i=0; i<haribol.length-1; i++)
                {
                    fw.write( str: "Sri " + haribol[i] + "\n");
                }
                fw.close();
            }
        }
        catch (IOException e)
        {
            e.printStackTrace();
        }
    }
}
```

Run: Prac_16

```
/usr/lib/jvm/default/bin/java
-javaagent:/usr/share/idea/lib/idea_rt
.jar=46187:/usr/share/idea/bin -Dfile.encoding=UTF-8
-classpath /home/yash/Documents/sem3practicals/OOP/Hare_Krishna/bin/production/Hare_Krishna:/home/yash/.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-jdk8/1.7.10/kotlin-stdlib-jdk8-1.7.10.jar:/home/yash/.m2/repository/org/jetbrains/kotlin/kotlin-stdlib/1.7.10/kotlin-stdlib-1.7.10.jar:/home/yash/.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-common/1.7.10/kotlin-stdlib-common-1.7.10.jar:/home/yash/.m2/repository/org/jetbrains/annotations/13.0/annotations-13.0.jar:/home/yash/.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-jdk7/1.7.10/kotlin-stdlib-jdk7-1.7.10.jar:/home/yash/Documents/sem3practicals/OOP/Hare_Krishna/mariadb-java-client-3.1.0.jar Hare_Krishna.Prac_16
File is already created

Process finished with exit code 0
```

Build completed successfully in 840 ms (moments ago)

```
Sri Krishna
Sri Ram
Sri Chaitanya
Sri Gopinath
Sri Madanmohan
Sri Vasudev
Sri Narsimha
```

Run: Prac_16

1:1 LF UTF-8 4 spaces P main