**Assignment 9(File handling):**

**package** com;

**import** java.io.FileInputStream;

**import** java.io.FileOutputStream;

**import** java.util.Scanner;

**import** java.io.FileReader;

**import** java.io.InputStreamReader;

**import** java.io.BufferedOutputStream;

**import** java.io.BufferedReader;

**public** **class** ByteWiseFileOperation {

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

Scanner sc=**new** Scanner(System.***in***);

FileInputStream fis= **new** FileInputStream("C:\\Users\\HP\\Desktop\\filehanding.txt");

FileOutputStream fos=**new** FileOutputStream("info.txt");

System.***out***.println("1 for copy file in Uppercase\n2 for copy file in Lowercase\n3 for copy all sentence first letter in uppercase\n4 for disply number of character\n5 for disply no of words in file\n ");

**int** choose=sc.nextInt();

**int** ch,count=0;

**switch**(choose)

{

**case** 1: **while**((ch=fis.read())!=-1)

{

**if**(Character.*isLowerCase*(ch))

{

ch=Character.*toUpperCase*(ch);

}

fos.write(ch);

}

fis.close();

fos.close();

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

**break**;

**case** 2: **while**((ch=fis.read())!=-1)

{

**if**(Character.*isUpperCase*(ch))

{

ch=Character.*toLowerCase*(ch);

}

fos.write(ch);

}

fis.close();

fos.close();

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

**break**;

**case** 3: BufferedReader br1=**new** BufferedReader(**new** InputStreamReader(System.***in***));

System.***out***.println("Enter Sentence");

String str1;

str1=br1.readLine();

**char** chr[]=str1.toCharArray();

**for**(**int** i=0;i<str1.length();i++)

{

**if**(i==0 && chr[i]!=' ' && chr[i]!='\n' || chr[i-1]=='.')

{

**if**(chr[i]>='a' && chr[i]<='z')

{

chr[i]=(**char**) (chr[i]-'a'+'A');

}

}

}

String s=**new** String(chr);

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

**break**;

**case** 4: **while**((ch=fis.read())!=-1)

{

**if**(Character.*isLetter*(ch))

{

count=count+1;

}

fos.write(ch);

}

System.***out***.println("number of character="+count);

fis.close();

fos.close();

**break**;

**case** 5: FileReader fr=**new** FileReader("C:\\Users\\HP\\Desktop\\filehanding.txt");

BufferedReader br=**new** BufferedReader(fr);

String c;

**while**((c=br.readLine())!=**null**)

{

String[] words=c.split(" ");

count=count+words.length;

}

System.***out***.println("number of words="+count);

br.close();

**break**;

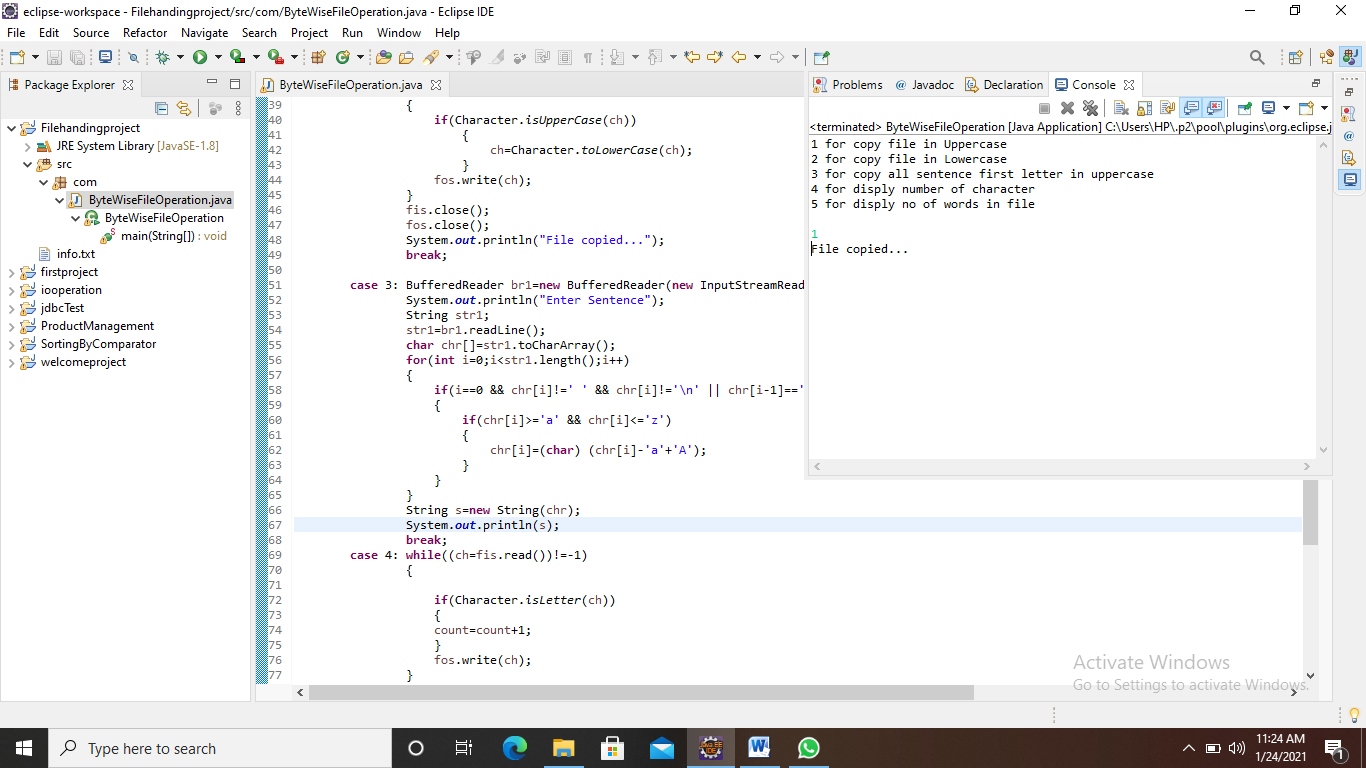
**default**: System.***out***.println("Invalied choice");

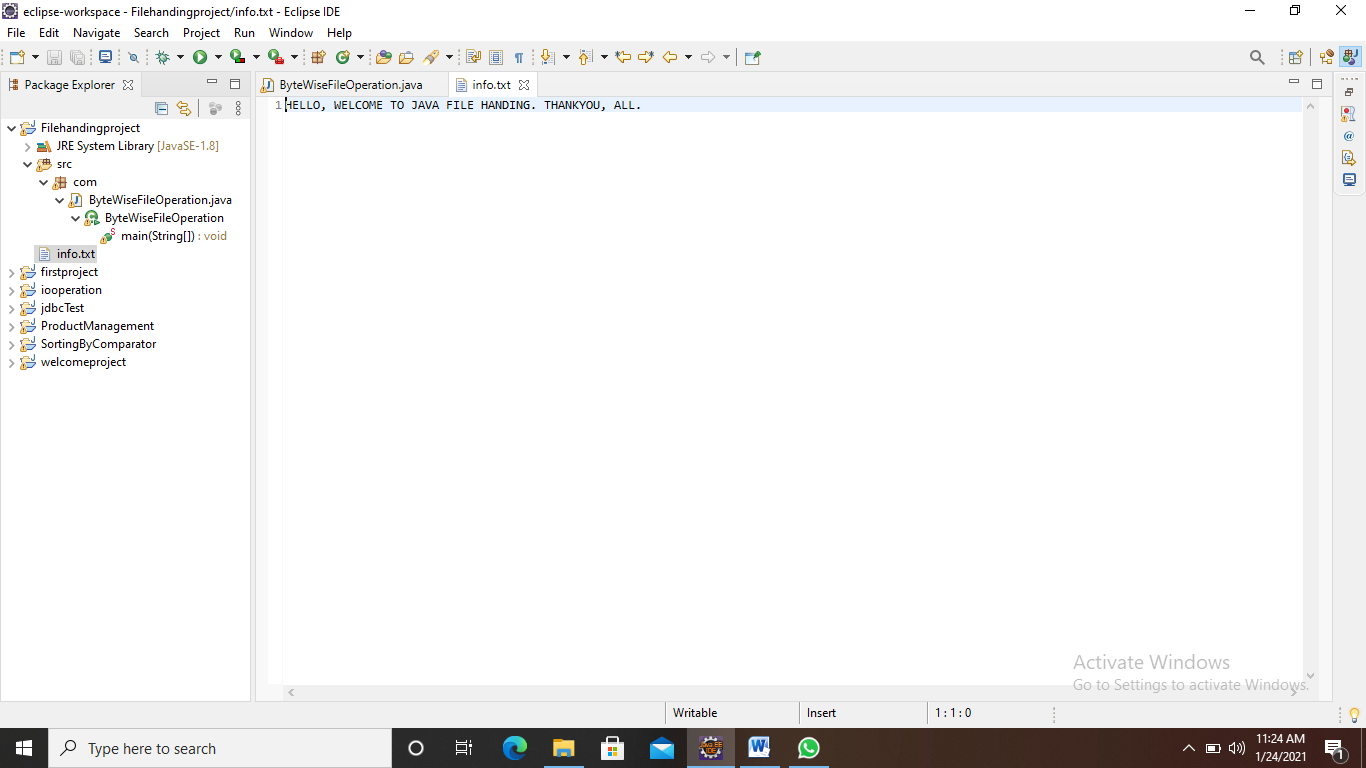
}

}

}

**Output:**

****

****