Assignment ~ 6.

File IO problem
Create new file 'test.txt'.
Write a data in it a about 300 words.
read a file 'test.txt'.
calculate the letter in it. (a, b, c, d..).
constant in that file (b, c, d, f....)
vowel in that file (a, e, i, o, u)
words in a complete file. ("JAVA")
calculate how many time one character is repeated. (a = 10, b = 50, z = 34....) save that file with other name 'test-copy.txt'.

```
import java.io.*;
import java.utik.*;
class CreateFile
{
static Final int MAX-CHAR = 256;
 static int countchar(string str)
{
int count5[] = new int [MAX-CHAR];
 int len = str.length();
for(int i2 = 0; i2 < len; i2++)
 {
 char[i2] = str.charA+(i2);
  int. Find = 0;
  For(int j2 = 0; j2 <= i2; j2 ++)
{
if(str.charAt(i2) == ch2[i2)
    Find ++;
}
 it(Find == 1)
```

```
System.out.println("No. of occurence of "
    + str.charAt(i2) + " is: " +
count5[str.charAt(i2)]);
  }
  return 0;
}
public static void main(String[] args)
  throws IOException
{
String str = "File Handling in Java using
" + "FileWriter and FileReader in Java"
+ Java FileWriter and FileReader classes
are used to write and read data from
text files they are character stream
classes. It is recommended not to use
the FileInputStream and FileOutputSt-
ream classes if you to read and write
any textual information as these are
Byte stream classes" + "FileWriter is
usetul to create a file writing charact-
ers into it this class inherits from the
outputstream class. The constructors of
this class assume that the default charac-
ter encoding and the default byte
butter size are acceptable to specify these
values yourself construct on outputstreamWriter
on a FileOutstream "+" "Filewriter is meant
for writing streams of characters for writing
streams of characters for writing streams of
raw bytes consider using a FileOutputstream
"+" constructors FileWriter File constructors
"+" a FileWriter object given a file object
```

Filewriter object given a file object file-
Writer File object given a file object
FileWriter object associated with a file
descriptor FileWriter string FileName Boolean
append constructs a FileWriter object given
a "+" File name FileWriter string File-
name Boolean append constructs a FileWriter
object given a "+" File name FileWriter
string Filename Boolean append constru-
cts a FileWriter object given a "+" File
name with a Boolean indicating whether
or not to append the data writing "+"
This class inherit from the Inputstream-
Reader class. The constructors "+" q this
class assume that the default character
encoding and the default byte buffer
size are appropriate To specify these
values yourself construct an Inputstream
-Reader is meant for reading streams q
characters "+" for reading streams q
raw bytes consider using a FileInputstream;

```
FileWriter FW = new FileWriter("test.txt")
For(int i=0; i<str.length(); i++)
FW.Write(str.charAt(i));
System.out.println("Writing successful");
  FW.close();
  int ch;
FileReader Fr = null;
try
  {
FR = new FileReader("test.txt");
  }
```

```
catch(FileNotFoundException Fe)
{
System.out.println("File Not Found");
}.
  int vowels =0, constants=0, e=0;
while((ch = FR.Read()) !=-1)
  { //System.out.println((char)ch);
}
int count=0, count + =0;
  char ch+;
 str = str.toLowerCase();
 For(int k =0; k<str.length();k++)
{
 if( str.charA+(k)!=' ')
  {
  count++;
}
if( str.charA+(k)=='a' [] str.charAt(k)
== 'e' || str.charA+(k)=='i' || str.char-
At(k) == 'o' || str.charAt(k)=='u')
  {
    vowels++;
  }
   else
  {
  constants++;
}
  }
char ch2[] = new char[str.length()];
for(int j =0; j<str.length(); j++)
  {
```

```
ch2[i] = str.charAt(j);
if(((i>0)&&(ch2[j]!=' ')&&
 (ch2[j-1]==' ')) || ((ch2[0]!=' ')
 && (j==0))) count++;
 }

System.out.println("Total no. of characters
in a string :" +count);
System.out.println("Total no. of vowels in
    test.txt file is =" + vowels);
System.out.println("Total no. of consonants
in test.txt file is =" + consonants);
System.out.println("Total no of words in
   test.txt file is =" + count1);
   countchar(str);
   Fr.close();
    }
     }
```