



TT JAVA MODULE-VIII

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| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 1:15 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 1:28 PM |
| Time taken | 12 mins 53 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program for displaying the data from the file "sample.txt" using FileInputStream

Note: Assume **sample.txt** file created. In the FileInputStream use sample.txt file as arguments.

For example:

Result

Successfully wrote to the file.
Data in the file:
This is a line of text inside the file.

Answer: (penalty regime: 0 %)

Reset answer

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
byte[] array = new byte[39];

FileInputStream fs = new FileInputStream("sample.txt");

System.out.println("Data in the file: ");

fs.read(array);
String data = new String(array);

System.out.println(data);
fs.close();
```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Successfully wrote to the file. Data in the file: This is a line of text inside the file. | Successfully wrote to the file. Data in the file: This is a line of text inside the file. | ✓ |

Passed all tests! ✓

Question author's solution (Java):

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```

        FileInputStream input = new FileInputStream("sample.txt");

        System.out.println("Data in the file: ");

        // Reads the first byte
        int i = input.read();

        while(i != -1) {
            System.out.print((char)i);

            // Reads next byte from the file
            i = input.read();
        }
        input.close();

```

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to append a String for specified bytes in a file "sample.txt" using OutputStream.
Note: Consider String str as "SAVEETHA" .In that String str append the byte from the index value 2 and length 4

For example:

Result

Successfully Completed
HELLO.... VEET
java.io.IOException: Stream Closed

Answer: (penalty regime: 0 %)

Reset answer

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```

OutputStream fout=new FileOutputStream("sample.txt",true);

String s="SAVEETHA";
byte b[]=s.getBytes();

fout.write(b,2,4);
fout.close();

```

```
System.out.println("Successfully Completed");
```

| | Expected | Got | |
|---|--|--|---|
| ✓ | Successfully Completed HELLO.... VEET java.io.IOException: Stream Closed | Successfully Completed HELLO.... VEET java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
OutputStream fout=new FileOutputStream("sample.txt",true);
String s="SAVEETHA";
byte b[]=s.getBytes();//converting string into byte array
fout.write(b,2,4);
fout.close();
System.out.println("Successfully Completed");
```

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to append a String "SAVEETHA ENGINEERING COLLEGE" in a file "sample.txt" using OutputStream.

Note:Consider String str as "SAVEETHA ENGINEERING COLLEGE"

For example:

Result

```
Successfully Completed
Hello... Hi Everybody  SAVEETHA ENGINEERING COLLEGE
java.io.IOException: Stream Closed
```

Answer: (penalty regime: 0 %)

Reset answer

Ace editor not ready. Perhaps reload page?

Falling back to raw text area

Falling back to raw text area.

```
OutputStream fout=new FileOutputStream("sample.txt",true);

String s="SAVEETHA ENGINEERING COLLEGE";
byte b[]=s.getBytes();//converting string into byte array

fout.write(b);
fout.close();

System.out.println("Successfully Completed");
```

| | Expected | Got |
|---|--|--|
| ✓ | Successfully Completed Hello... Hi Everybody SAVEETHA ENGINEERING COLLEGE java.io.IOException: Stream Closed | Successfully Completed Hello... Hi Everybody SAVEETHA ENGINEERING COLLEGE java.io.IOException: Stream Closed |

Passed all tests! ✓

Question author's solution (Java):

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
OutputStream fout=new FileOutputStream("sample.txt",true);
String s="SAVEETHA ENGINEERING COLLEGE";
byte b[]=s.getBytes();//converting string into byte array
fout.write(b);
fout.close();
System.out.println("Successfully Completed");
```

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String in a file "testout.txt" using FileOutputStream

Note: Consider String str as "Welcome to Saveetha" . Use predefined function write(byte[] array, int start, int length) .Get the Starting byte and length from the user and store the characters in the file

For example:

| Input | Result |
|-------|------------------------|
| 0 | Successfully Completed |

| | |
|--------------|------------------------------------|
| 0 | Successfully Completed |
| Input | Result |
| | java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```

FileOutputStream fout=new FileOutputStream("testout.txt");

String s="Welcome to Saveetha";
byte b[]=s.getBytes();

Scanner sc=new Scanner(System.in);
int start=sc.nextInt();
int length=sc.nextInt();

fout.write(b,start,length);
fout.close();

System.out.println("Successfully Completed");

```

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 0 5 | Successfully Completed Welco java.io.IOException: Stream Closed | Successfully Completed Welco java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```

FileOutputStream fout=new FileOutputStream("testout.txt");
String s="Welcome to Saveetha";
byte b[]=s.getBytes();//converting string into byte array
Scanner sc=new Scanner(System.in);
int start=sc.nextInt();
int length=sc.nextInt();
// write(byte[] array, int start, int length)
fout.write(b,start,length);
fout.close();
System.out.println("Successfully Completed");

```

Marks for this submission: 1.00/1.00.

Implement a Java Program to write a String for Specified byte in a file "testout.txt" using OutputStream.

Note: Consider String str as "HI EVERYBODY...", it has to print specified byte according to the user input

For example:

| Input | Result |
|--------|---|
| 3 5 | Successfully Completed EVERY java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
FileOutputStream fout=new FileOutputStream("testout.txt");
```

```
String s="HI EVERYBODY";  
byte b[]=s.getBytes();
```

```
Scanner sc=new Scanner(System.in);  
int start=sc.nextInt();  
int length=sc.nextInt();
```

```
fout.write(b,start,length);  
fout.close();
```

```
System.out.println("Successfully Completed");
```

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 3 5 | Successfully Completed EVERY java.io.IOException: Stream Closed | Successfully Completed EVERY java.io.IOException: Stream Closed | ✓ |
| ✓ | 1 5 | Successfully Completed I EVE java.io.IOException: Stream Closed | Successfully Completed I EVE java.io.IOException: Stream Closed | ✓ |
| ✓ | 4 2 | Successfully Completed VE java.io.IOException: Stream Closed | Successfully Completed VE java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
OutputStream fout=new FileOutputStream("testout.txt");  
String s="HI EVERYBODY...";
```

```
byte b[]=s.getBytes();//converting string into byte array
Scanner sc=new Scanner(System.in);
int start=sc.nextInt();
int length=sc.nextInt();
fout.write(b,start,length);
fout.close();
System.out.println("Successfully Completed");
```

Submit

Marks for this submission: 1.00/1.00.

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TT JAVA MODULE-VIII

| | |
|--------------|-------------------------------|
| Started on | Monday, 31 July 2023, 8:31 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 8:39 PM |
| Time taken | 8 mins 3 secs |
| Grade | 10.00 out of 10.00 (100%) |

Question 1

Correct

Mark 2.00 out of 2.00

Flag question

Implement a Java Program to write a String for Specified byte in a file "testout.txt" using OutputStream.

Note: Consider String str as "HI EVERYBODY...", it has to print specified byte according to the user input

For example:

| Input | Result |
|--------|---|
| 3 5 | Successfully Completed EVERY java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

```
1 | FileOutputStream fout=new FileOutputStream("testout.txt");
2 |
3 | String s="HI EVERYBODY";
4 | byte b[]=s.getBytes();
5 |
6 | Scanner sc=new Scanner(System.in);
7 | int start=sc.nextInt();
8 | int length=sc.nextInt();
9 |
10 | fout.write(b,start,length);
11 | fout.close();
12 |
13 | System.out.println("Successfully Completed");
```

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 3 5 | Successfully Completed EVERY java.io.IOException: Stream Closed | Successfully Completed EVERY java.io.IOException: Stream Closed | ✓ |
| ✓ | 1 5 | Successfully Completed I EVE java.io.IOException: Stream Closed | Successfully Completed I EVE java.io.IOException: Stream Closed | ✓ |

| | | | | |
|---|---|------------------------------------|------------------------------------|---|
| ✓ | 4 | Successfully Completed | Successfully Completed | ✓ |
| | 2 | Expected VE | Got VE | |
| | | java.io.IOException: Stream Closed | java.io.IOException: Stream Closed | |

Passed all tests! ✓

Question author's solution (Java):

```

1 |
2 |         OutputStream fout=new FileOutputStream("testout.txt");
3 |         String s="HI EVERYBODY...";
4 |         byte b[]=s.getBytes();//converting string into byte array
5 |         Scanner sc=new Scanner(System.in);
6 |         int start=sc.nextInt();
7 |         int length=sc.nextInt();
8 |         fout.write(b,start,length);
9 |         fout.close();
10 |         System.out.println("Successfully Completed");
11 |
12 |

```

Correct

Marks for this submission: 2.00/2.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Implement a Java Program to read a byte in a file "testout.txt" using FileInputStream

For example:

Result

Successfully Completed
A

Answer: (penalty regime: 0 %)

Reset answer

```

1 | FileInputStream fin=new FileInputStream("testout.txt");
2 |
3 | int i=fin.read();
4 | System.out.println((char)i);
5 |
6 | fin.close();

```

| | Expected | Got | |
|---|-----------------------------|-----------------------------|---|
| ✓ | Successfully Completed A | Successfully Completed A | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 | FileInputStream fin=new FileInputStream("testout.txt");
2 |
3 |     int i=fin.read();
4 |     System.out.println((char)i);
5 |     fin.close();
6 |

```

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program for displaying the data from the file "sample.txt" using FileInputStream

Note: Assume **sample.txt** file created. In the FileInputStream use sample.txt file as arguments. Use "While" Loop for reading the characters from the file

For example:

Result

Successfully wrote to the file.
Data in the file:
Hello... Hi EveryBody. Welcome to JavaI/O Streams

Answer: (penalty regime: 0 %)

Reset answer

```

1 | FileInputStream input = new FileInputStream("sample.txt");
2 |
3 | System.out.println("Data in the file: ");
4 |
5 | int i = input.read();
6 |
7 | while(i !=-1)
8 | {
9 |     System.out.print((char)i);
10 |    i = input.read();
11 | }
12 |
13 | input.close();

```

| | Expected | Got |
|---|---|---|
| ✓ | Successfully wrote to the file. Data in the file: Hello... Hi EveryBody. Welcome to JavaI/O Streams | Successfully wrote to the file. Data in the file: Hello... Hi EveryBody. Welcome to JavaI/O Streams |

Passed all tests! ✓

Question author's solution (Java):

```

1 |
2 |         FileInputStream input = new FileInputStream("sample.txt");
3 |
4 |         System.out.println("Data in the file: ");
5 |
6 |         // Reads the first byte
7 |         int i = input.read();
8 |
9 |         while(i != -1) {
10 |
11 |             System.out.print((char)i);
12 |
13 |             // Reads next byte from the file
14 |             i = input.read();
15 |         }
16 |         input.close();
17 |

```

Marks for this submission: 2.00/2.00.

Question 4

Correct

Mark 2.00 out of 2.00

Flag question

Implement a Java Program to append a String for specified bytes in a file "sample.txt" using OutputStream.

Note: Consider String str as "SAVEETHA". In that String str append the byte from the index value 2 and length 4

For example:

Result

Successfully Completed
HELLO.... VEET
java.io.IOException: Stream Closed

Answer: (penalty regime: 0 %)

Reset answer

```

1 | OutputStream fout=new FileOutputStream("sample.txt",true);
2 |
3 | String s="SAVEETHA";
4 | byte b[]=s.getBytes();
5 |
6 | fout.write(b, 2, 4);

```

```

6 | fout.write(b,2,4);
7 | fout.close();
8 |
9 | System.out.println("Successfully Completed");

```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Successfully Completed HELLO... VEET java.io.IOException: Stream Closed | Successfully Completed HELLO... VEET java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 |
2 |
3 |         OutputStream fout=new FileOutputStream("sample.txt",true);
4 |         String s="SAVEETHA";
5 |         byte b[]=s.getBytes();//converting string into byte array
6 |         fout.write(b,2,4);
7 |         fout.close();
8 |         System.out.println("Successfully Completed");
9 |

```

Correct

Marks for this submission: 2.00/2.00.

Question 5

Correct

Mark 2.00 out of 2.00

Flag question

Implement a Java Program to write a byte in a file "testout.txt" using FileOutputStream

Note Write a character "A" in a file using ASCII code

For example:

Result

```

Successfully Completed
A
java.io.IOException: Stream Closed

```

Answer: (penalty regime: 0 %)

Reset answer

```

1 | FileOutputStream a=new FileOutputStream("testout.txt");

```

```

2 | a.write(65);
3 | a.close();
4 | System.out.println("Successfully Completed");

```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Successfully Completed A java.io.IOException: Stream Closed | Successfully Completed A java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 |
2 |
3 |
4 |
5 |
6 |
7 |

```

```

FileOutputStream fout=new FileOutputStream("testout.txt");
fout.write(65);
fout.close();
System.out.println("Successfully Completed");

```

Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VIII

| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 8:41 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 8:48 PM |
| Time taken | 6 mins 52 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program for displaying number of bytes & data in the file "sample.txt" using FileInputStream

Note:Already sample.txt file was created.

initialize byte[] array = new byte[39];

For example:

Result

Successfully wrote to the file.
Available bytes in the file: 39
Data read from the file:This is a line of text inside the file.

Answer: (penalty regime: 0 %)

Reset answer

```
1 FileInputStream input = new FileInputStream("sample.txt");
2
3 byte[] array = new byte[39];
4
5 System.out.println("Available bytes in the file: " +input.available());
6
7 input.read(array);
8
9 String data = new String(array);
10 System.out.println("Data read from the file:" +data);
11
12 input.close();
```

| | Expected | Got |
|---|---|---|
| ✓ | Successfully wrote to the file. Available bytes in the file: 39 Data read from the file:This is a line of text inside the file. | Successfully wrote to the file. Available bytes in the file: 39 Data read from the file:This is a |

Passed all tests! ✓

Question author's solution (Java):

```
1 | byte[] array = new byte[39];
2 |     FileInputStream input = new FileInputStream("sample.txt");
3 |     System.out.println("Available bytes in the file: " +input.available());
4 |     input.read(array);
5 |     String data = new String(array);
6 |     System.out.println("Data read from the file:" +data);
7 |     input.close();
8 |
9 |
```

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to read a byte in a file "testout.txt" using FileInputStream

For example:

Result

Successfully Completed
A

Answer: (penalty regime: 0 %)

Reset answer

```
1 | FileInputStream fin=new FileInputStream("testout.txt");
2 |
3 | int i=fin.read();
4 | System.out.println((char)i);
5 |
6 | fin.close();
```

| | Expected | Got | |
|---|-----------------------------|-----------------------------|---|
| ✓ | Successfully Completed A | Successfully Completed A | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
1 | FileInputStream fin=new FileInputStream("testout.txt");
2 |     int i=fin.read();
3 |     System.out.println((char)i);
4 |     fin.close();
5 |
6 |
```

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to append a String for specified bytes in a file "sample.txt" using OutputStream.

Note: Consider String str as "SAVEETHA" .

Read the Index value and length value from the user

For example:

| Input | Result |
|-------|---|
| 2 | Successfully Completed |
| 5 | HELLO.... VEETH java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

```
1 | OutputStream fout=new FileOutputStream("sample.txt",true);
2 |
3 | String s="SAVEETHA";
4 | byte b[]=s.getBytes();
5 |
6 | Scanner sc=new Scanner(System.in);
7 | int i1=sc.nextInt();
8 | int i2=sc.nextInt();
9 |
10 | fout.write(b,i1,i2);
11 | fout.close();
12 |
13 | System.out.println("Successfully Completed");
```

| | Input | Expected | Got | |
|---|-------|------------------------|------------------------|---|
| ✓ | 2 | Successfully Completed | Successfully Completed | ✓ |

| | | | | |
|--|-------|------------------------------------|------------------------------------|--|
| | 5 | HELLO.... VEETH | HELLO.... VEETH | |
| | Input | Expected | Got | |
| | | java.io.IOException: Stream Closed | java.io.IOException: Stream Closed | |

Passed all tests! ✓

Question author's solution (Java):

| | |
|----|--|
| 1 | |
| 2 | OutputStream fout=new FileOutputStream("sample.txt",true); |
| 3 | String s="SAVEETHA"; |
| 4 | byte b[]=s.getBytes();//converting string into byte array |
| 5 | Scanner sc=new Scanner(System.in); |
| 6 | int index=sc.nextInt(); |
| 7 | int length=sc.nextInt(); |
| 8 | fout.write(b,index,length); |
| 9 | fout.close(); |
| 10 | System.out.println("Successfully Completed"); |
| 11 | |
| 12 | |

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String in a file "testout.txt" using FileOutputStream

Note: Consider String str as "Welcome to Saveetha" . Use predefined function write(byte[] array, int start, int length) .Get the Starting byte and length from the user and store the characters in the file

For example:

| Input | Result |
|-------|---|
| 0 | Successfully Completed |
| 5 | Welco java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

| | |
|----|--|
| 1 | FileOutputStream fout=new FileOutputStream("testout.txt"); |
| 2 | |
| 3 | String s="Welcome to Saveetha"; |
| 4 | byte b[]=s.getBytes(); |
| 5 | |
| 6 | Scanner sc=new Scanner(System.in); |
| 7 | int start=sc.nextInt(); |
| 8 | int length=sc.nextInt(); |
| 9 | |
| 10 | fout.write(b,start,length); |
| 11 | fout.close(); |
| 12 | |
| 13 | System.out.println("Successfully Completed"); |

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 0 5 | Successfully Completed Welco java.io.IOException: Stream Closed | Successfully Completed Welco java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 |
2 |         FileOutputStream fout=new FileOutputStream("testout.txt");
3 |         String s="Welcome to Saveetha";
4 |         byte b[]=s.getBytes();//converting string into byte array
5 |         Scanner sc=new Scanner(System.in);
6 |         int start=sc.nextInt();
7 |         int length=sc.nextInt();
8 |         // write(byte[] array, int start, int length)
9 |         fout.write(b,start,length);
10 |        fout.close();
11 |        System.out.println("Successfully Completed");
12 |
13 |

```

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String for Specified byte in a file "testout.txt" using OutputStream.

Note: Consider String str as "HI EVERYBODY...", it has to print specified byte according to the user input

For example:

| Input | Result |
|--------|---|
| 3 5 | Successfully Completed EVERY java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

```

1 | FileOutputStream fout=new FileOutputStream("testout.txt");
2 |
3 | String s="HI EVERYBODY";
4 | byte b[]=s.getBytes();
5 |
6 | Scanner sc=new Scanner(System.in);
7 | int start=sc.nextInt();
8 | int length=sc.nextInt();
9 |
10 | fout.write(b,start,length);

```

```

11 fout.close();
12
13 System.out.println("Successfully Completed");

```

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 3 5 | Successfully Completed EVERY java.io.IOException: Stream Closed | Successfully Completed EVERY java.io.IOException: Stream Closed | ✓ |
| ✓ | 1 5 | Successfully Completed I EVE java.io.IOException: Stream Closed | Successfully Completed I EVE java.io.IOException: Stream Closed | ✓ |
| ✓ | 4 2 | Successfully Completed VE java.io.IOException: Stream Closed | Successfully Completed VE java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1
2      OutputStream fout=new FileOutputStream("testout.txt");
3      String s="HI EVERYBODY...";
4      byte b[]=s.getBytes();//converting string into byte array
5      Scanner sc=new Scanner(System.in);
6      int start=sc.nextInt();
7      int length=sc.nextInt();
8      fout.write(b,start,length);
9      fout.close();
10     System.out.println("Successfully Completed");
11
12

```

Correct

Marks for this submission: 1.00/1.00.

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| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 1:28 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 1:38 PM |
| Time taken | 9 mins 26 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program to read the content from the String using Reader

Note: Initialize String Value as "WELCOME ALL." and Display the Content of the String using predefined function

Initialize char[] array = new char[12];

For example:

Result

Data read from the string:
WELCOME ALL.

Answer: (penalty regime: 0 %)

Reset answer

```
1 import java.io.*;
2 import java.util.*;
3 public class JavaCharArrayReaderReadExample4
4 {
5     public static void main(String[] args)
6     {
7         String s ="WELCOME ALL.";
8         char[] array = new char[12];
9         try
10        {
11            Reader input = new StringReader(s);
12            input.read(array);
13            System.out.println("Data read from the string:");
14            System.out.println(array);
15            input.close();
16        }
17        catch(Exception e)
18        {
19            e.printStackTrace();
20        }
21    }
22 }
```

| | Expected | Got | |
|---|--|--|---|
| ✓ | Data read from the string: WELCOME ALL. | Data read from the string: WELCOME ALL. | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1  import java.io.*;
2  import java.util.*;
3  public class JavaCharArrayReaderReadExample4 {
4      public static void main(String[] args) {
5          String s ="WELCOME ALL.";
6
7          char[] array = new char[12];
8          try {
9              // Create a StringReader
10             Reader input = new StringReader(s);
11             //Use the read method
12             input.read(array);
13             System.out.println("Data read from the string:");
14             System.out.println(array);
15             input.close();
16         }
17         catch(Exception e) {
18             e.printStackTrace();
19         }
20     }
21 }

```

Copy

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program for getting input from the user using Input StreamReader

Rule: Use do-while statement and get the input value from the user.

2.Enter the Symbol "#" to quit. Ex: Hi#

For example:

| Input | Result |
|--------|--------|
| hello# | hello# |

Answer: (penalty regime: 0 %)

Reset answer

```

1  import java.io.*;
2  public class ReadConsole {
3      public static void main(String args[]) throws IOException
4      {
5          InputStreamReader cin = null;
6          try
7          {
8              cin = new InputStreamReader(System.in);
9              char c;
10             do

```

```

11     {
12         c = (char) cin.read();
13         System.out.print(c);
14     }while(c != '#');
15     }
16     finally
17     {
18         if (cin != null)
19         {
20             cin.close();
21         }
22     }

```

| | Input | Expected | Got | |
|---|--------|----------|--------|---|
| ✓ | hello# | hello# | hello# | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1  import java.io.*;
2  public class ReadConsole {
3
4      public static void main(String args[]) throws IOException {
5          InputStreamReader cin = null;
6
7          try {
8              cin = new InputStreamReader(System.in);
9              // System.out.println("Enter characters, 'q' to quit.");
10             char c;
11             do {
12                 c = (char) cin.read();
13                 System.out.print(c);
14             } while(c != '#');
15         }finally {
16             if (cin != null) {
17                 cin.close();
18             }
19         }
20     }
21 }

```

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to append a String in a file "testout.txt" using Writer

Note:Write "Hi Everybody" in the file(testtout.txt)

For example:

Result

```

Before Appending :Welcome to Java File Concept -Reader
Append the character in the File Successfully
Welcome to Java File Concept -ReaderHi Everybody
java.io.IOException: Stream Closed

```

Answer: (penalty regime: 0 %)

Reset answer

```
1 Writer w1 = new FileWriter("testout.txt",true);
2
3 w1.append("Hi Everybody");
4 w1.close();
5
6 System.out.println("Append the character in the File Successfully");
```

| | Expected | Got |
|---|---|--|
| ✓ | Before Appending :Welcome to Java File Concept -Reader Append the character in the File Successfully Welcome to Java File Concept -ReaderHi Everybody java.io.IOException: Stream Closed | Before Appending :Welcome to Java File Co Append the character in the File Successfu Welcome to Java File Concept -ReaderHi Ev java.io.IOException: Stream Closed |

Passed all tests! ✓

Question author's solution (Java):

```
1
2
3         Writer w1 = new FileWriter("testout.txt",true);
4
5         w1.append("Hi Everybody");
6         w1.close();
7         System.out.println("Append the character in the File Successfully");
```

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program to identify the file content "file1.txt" is ready to read using the predefined function ready and read the content from the file "file1.txt" using Reader

For example:

Result

Result:
Is there data in the stream? true
File content:
I love my country
Exception: java.io.FileNotFoundException: file1.txt (No such file or directory)

Answer: (penalty regime: 0 %)

Reset answer

```
1 Reader reader = new FileReader("file1.txt");
2 int data = reader.read();
3
4 System.out.println("Is there data in the stream? " + reader.ready());
5
6 System.out.println("File content:");
7 while (data != -1)
8 {
9     System.out.print((char) data);
10    data = reader.read();
11 }
12 System.out.println();
13
14 reader.close();
```

| | Expected | Got |
|---|--|---|
| ✓ | Is there data in the stream? true File content: I love my country Exception: java.io.FileNotFoundException: file1.txt (No such file or directory) | Is there data in File content: I love my country Exception: java.. |

Passed all tests! ✓

Question author's solution (Java):

```
1 Reader reader = new FileReader("file1.txt");
2 int data = reader.read();
3 System.out.println("Is there data in the stream? " + reader.ready());
4 System.out.println("File content:");
5 while (data != -1) {
6
7     System.out.print((char) data);
8     data = reader.read();
9 }
10 System.out.println();
11 reader.close();
```

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String in a file "testout.txt" using Writer

Note: Write the Specified portion in a file using predefined function [write(String str, int off, int len)]

Read String value from the user and starting byte (int off) as 2 and length (int len) as 6 from the User

For example:

| Input | Result |
|--------------------------------------|---|
| Hi Everybody...Welcome all 2 6 | Input String Value:Hi Everybody...Welcome all Wrote Specified portion in a File Successfully File Content: Every java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

```
1 Writer w = new FileWriter("testout.txt");
2
3 Scanner sc=new Scanner(System.in);
4
5 String content = sc.nextLine();
6
7 int off=sc.nextInt();
8 int length=sc.nextInt();
9
10 w.write(content,off,length);
11 w.close();
12
13 System.out.println("Input String Value:" +content);
14 System.out.println("Wrote Specified portion in a File Successfully");
```

| | Input | Expected | Got |
|---|--------------------------------------|---|---|
| ✓ | Hi Everybody...Welcome all 2 6 | Input String Value:Hi Everybody...Welcome all Wrote Specified portion in a File Successfully File Content: Every java.io.IOException: Stream Closed | Input String Value:Hi Wrote Specified portic File Content: Every java.io.IOException: S |
| ✓ | Hi,how are you? 2 6 | Input String Value:Hi,how are you? Wrote Specified portion in a File Successfully File Content: ,how a java.io.IOException: Stream Closed | Input String Value:Hi, Wrote Specified portic File Content: ,how a java.io.IOException: S |

Passed all tests! ✓

Question author's solution (Java):

```
1
2 Writer w = new FileWriter("testout.txt");
3 Scanner sc=new Scanner(System.in);
4 String content = sc.nextLine();
5
6 w.write(content, 2, 6);
```

```
6 | w.write(content,2,b);
7 | w.close();
8 | System.out.println("Input String Value:" +content);
9 | System.out.println("Wrote Specified portion in a File Successfully");
```

Submit

Marks for this submission: 1.00/1.00.

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[◀ IO & FILE -READER/WRITER](#)

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TT JAVA MODULE-VIII

| | |
|--------------|-------------------------------|
| Started on | Monday, 31 July 2023, 8:49 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 8:56 PM |
| Time taken | 7 mins 12 secs |
| Grade | 10.00 out of 10.00 (100%) |

Question 1

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Implement a Java Program to write a String in a file "testout.txt" using Writer

Note: Write a String "Hi Everybody...Welcome all"

For example:

Result

```
Wrote File Successfully
Hi Everybody...Welcome all
java.io.IOException: Stream Closed
```

Answer: (penalty regime: 0 %)

Reset answer

```
1 |Writer w = new FileWriter("testout.txt");
2 |
3 |String content = "Hi Everybody...Welcome all";
4 |
5 |w.write(content);
6 |w.close();
7 |
8 |System.out.println("Wrote File Successfully");
```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Wrote File Successfully Hi Everybody...Welcome all java.io.IOException: Stream Closed | Wrote File Successfully Hi Everybody...Welcome all java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
1 |
2 |     Writer w = new FileWriter("testout.txt");
3 |     String content = "Hi Everybody...Welcome all";
4 |     w.write(content);
5 |     w.close();
6 |     System.out.println("Wrote File Successfully");
```

Correct

Marks for this submission: 2.00/2.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program to read the content from the String using Reader

Note: Get the Input String from the User and Display the Content of the String using predefined function

Initialize char[] array = new char[12];

For example:

| Input | Result |
|---------------|--|
| WELCOME JAVA. | Data read from the string: WELCOME JAVA |

Answer: (penalty regime: 0 %)

Reset answer

```
1 | import java.io.*;
2 | import java.util.*;
3 | public class JavaCharArrayReaderReadExample4
4 | {
5 |     public static void main(String[] args)
6 |     {
7 |         Scanner sc=new Scanner(System.in);
8 |         String s = sc.nextLine();
9 |         char[] array = new char[12];
10 |        try
11 |        {
12 |            Reader input = new StringReader(s);
13 |            input.read(array);
14 |            System.out.println("Data read from the string:");
15 |            System.out.println(array);
16 |            input.close();
17 |        }
18 |        catch(Exception e)
19 |        {
20 |            e.printStackTrace();
21 |        }
22 |    }
```

| | Input | Expected | Got | |
|---|---------------|--|--|---|
| ✓ | WELCOME JAVA. | Data read from the string: WELCOME JAVA | Data read from the string: WELCOME JAVA | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
1 import java.io.*;
2 import java.util.*;
3 public class JavaCharArrayReaderReadExample4 {
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         String data=sc.nextLine();
7
8         char[] array = new char[12];
9         try {
10             // Create a StringReader
11             StringReader input = new StringReader(data);
12             //Use the read method
13             input.read(array);
14             System.out.println("Data read from the string:");
15             System.out.println(array);
16             input.close();
17         }
18         catch(Exception e) {
19             e.printStackTrace();
20         }
21     }
22 }
```

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Implement a Java Program to append a character in a file "testout.txt" using Writer

Note:Write "Z" in the file(testout.txt)

For example:

Result

Before Appending :Welcome to Java File Concept -Reader
Append the character in the File Successfully
Welcome to Java File Concept -ReaderZ
java.io.IOException: Stream Closed

Answer: (penalty regime: 0 %)

Reset answer

```
1 Writer w1 = new FileWriter("testout.txt",true);
2
3 w1.append("Z");
4 w1.close();
5
6 System.out.println("Append the character in the File Successfully");
```

| | Expected | Got |
|---|--|--|
| ✓ | Before Appending :Welcome to Java File Concept -Reader Append the character in the File Successfully Welcome to Java File Concept -ReaderZ java.io.IOException: Stream Closed | Before Appending :Welcome to Java File Co Append the character in the File Successfu Welcome to Java File Concept -ReaderZ java.io.IOException: Stream Closed |

Passed all tests! ✓

Question author's solution (Java):

| | | |
|---|--|--|
| 1 | | |
| 2 | | Writer w1 = new FileWriter("testout.txt",true); |
| 3 | | |
| 4 | | w1.append('Z'); |
| 5 | | w1.close(); |
| 6 | | System.out.println("Append the character in the File Successfully"); |

✓

Marks for this submission: 2.00/2.00.

Question 4

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program to read the content from the file "file1.txt" using Reader

For example:

Result

File content:
I love my country
Exception: java.io.FileNotFoundException: file1.txt (No such file or directory)

Answer: (penalty regime: 0 %)

Reset answer

| | | |
|----|--|--|
| 1 | | Reader reader = new FileReader("file1.txt"); |
| 2 | | int data = reader.read(); |
| 3 | | |
| 4 | | System.out.println("File content:"); |
| 5 | | while (data != -1) |
| 6 | | { |
| 7 | | System.out.print((char) data); |
| 8 | | data = reader.read(); |
| 9 | | } |
| 10 | | System.out.println(); |
| 11 | | |

```
12 | reader.close();
```

| | Expected | Got |
|---|---|---|
| ✓ | File content: I love my country Exception: java.io.FileNotFoundException: file1.txt (No such file or directory) | File content: I love my country Exception: java.. |

Passed all tests! ✓

Question author's solution (Java):

```
1 | Reader reader = new FileReader("file1.txt");
2 |     int data = reader.read();
3 |     System.out.println("File content:");
4 |     while (data != -1) {
5 |
6 |         System.out.print((char) data);
7 |         data = reader.read();
8 |     }
9 |     System.out.println();
10 |    reader.close();
```

Marks for this submission: 2.00/2.00.

Question 5

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Write a Java Program to read the content from the String using Reader

Note: Initialize String Value as "This is the text read from StringReader." and Display the Content of the String using predefined function

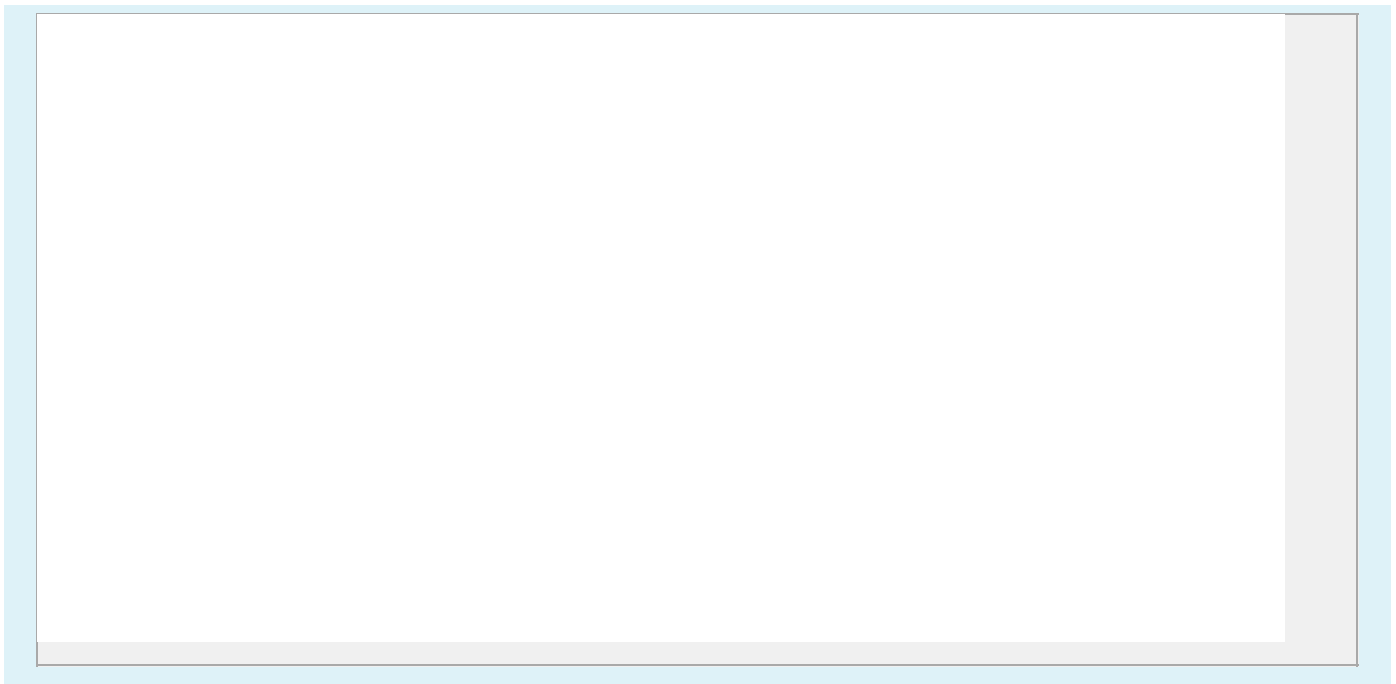
Initialize char[] array = new char[40];

For example:

| Input | Result |
|--|--|
| This is the text read from StringReader. | Data read from the string: This is the text read from StringReader. |

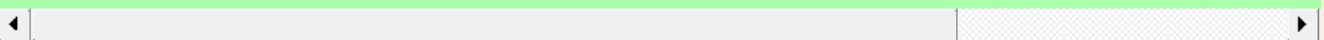
Answer: (penalty regime: 0 %)

Reset answer

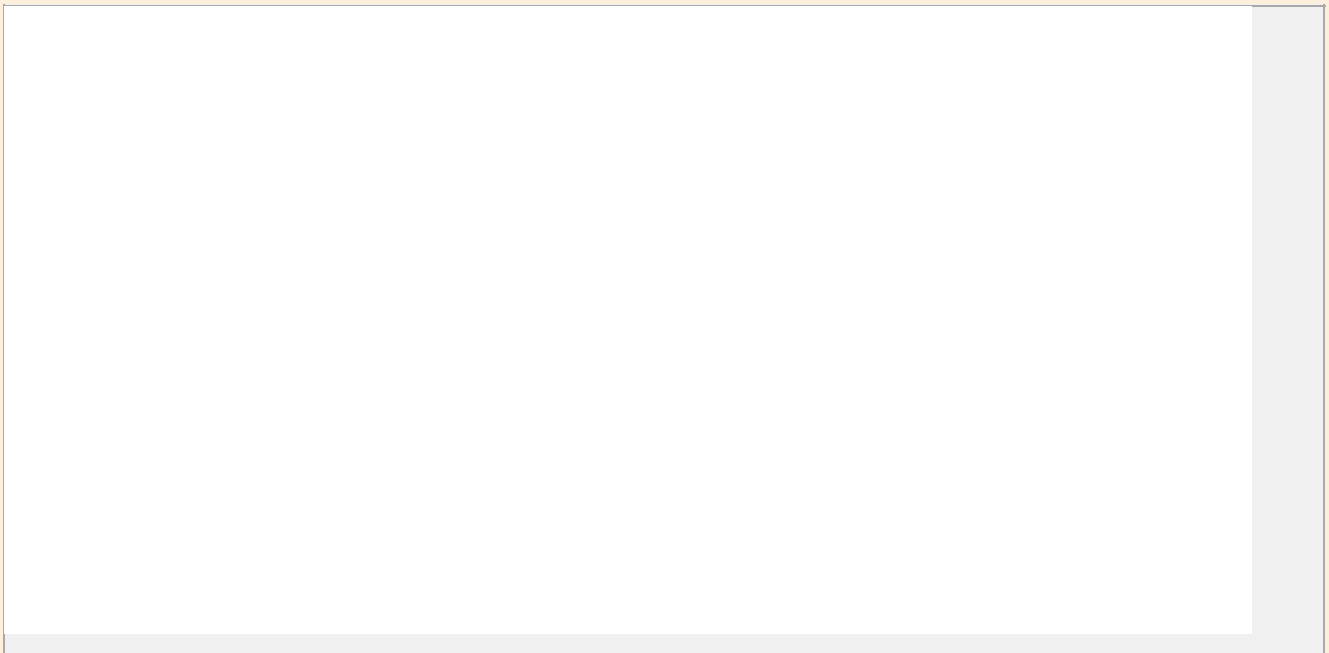


| | Input | Expected | Got |
|---|--|--|----------------------------------|
| ✓ | This is the text read from StringReader. | Data read from the string: This is the text read from StringReader. | Data read from This is the te |

Passed all tests! ✓



Question author's solution (Java):



Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VIII

| | |
|--------------|-------------------------------|
| Started on | Monday, 31 July 2023, 8:57 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 9:01 PM |
| Time taken | 3 mins 36 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to append a String in a file "testout.txt" using Writer

Note:Write "Hi Everybody" in the file(testtout.txt)

For example:

Result

```
Before Appending :Welcome to Java File Concept -Reader
Append the character in the File Successfully
Welcome to Java File Concept -ReaderHi Everybody
java.io.IOException: Stream Closed
```

Answer: (penalty regime: 0 %)

Reset answer

```
1 |Writer w1 = new FileWriter("testout.txt",true);
2 |
3 |w1.append("Hi Everybody");
4 |w1.close();
5 |
6 |System.out.println("Append the character in the File Successfully");
```

| | Expected | Got |
|---|---|---|
| ✓ | Before Appending :Welcome to Java File Concept -Reader Append the character in the File Successfully Welcome to Java File Concept -ReaderHi Everybody java.io.IOException: Stream Closed | Before Appending :Welcome to Java File Co Append the character in the File Successf Welcome to Java File Concept -ReaderHi Ev java.io.IOException: Stream Closed |

Passed all tests! ✓

Question author's solution (Java):

```
1 |
2 |         Writer w1 = new FileWriter("testout.txt",true);
3 |
4 |         w1.append("Hi Everybody");
5 |         w1.close();
6 |         System.out.println("Append the character in the File Successfully");
```

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program to read the content from the String using Reader

Note: Get the Input String from the User and Display the Content of the String using predefined function

Initialize char[] array = new char[12];

For example:

| Input | Result |
|---------------|--|
| WELCOME JAVA. | Data read from the string: WELCOME JAVA |

Answer: (penalty regime: 0 %)

Reset answer

```
1 | import java.io.*;
2 | import java.util.*;
3 | public class JavaCharArrayReaderReadExample4
4 | {
5 |     public static void main(String[] args)
6 |     {
7 |         Scanner sc=new Scanner(System.in);
8 |         String s = sc.nextLine();
9 |         char[] array = new char[12];
10 |        try
11 |        {
12 |            Reader input = new StringReader(s);
13 |            input.read(array);
14 |            System.out.println("Data read from the string:");
15 |            System.out.println(array);
16 |            input.close();
17 |        }
18 |        catch(Exception e)
19 |        {
20 |            e.printStackTrace();
21 |        }
22 |    }
```

Input

Expected

Got

| | | | | |
|---|---------------|----------------------------|----------------------------|---|
| ✓ | WELCOME JAVA. | Data read from the string: | Data read from the string: | ✓ |
| | Input | Expected | Got | |
| | | WELCOME JAVA | WELCOME JAVA | |

Passed all tests! ✓

Question author's solution (Java):

```

1  import java.io.*;
2  import java.util.*;
3  public class JavaCharArrayReaderReadExample4 {
4      public static void main(String[] args) {
5          Scanner sc=new Scanner(System.in);
6          String data=sc.nextLine();
7
8          char[] array = new char[12];
9          try {
10             // Create a StringReader
11             StringReader input = new StringReader(data);
12             //Use the read method
13             input.read(array);
14             System.out.println("Data read from the string:");
15             System.out.println(array);
16             input.close();
17         }
18         catch(Exception e) {
19             e.printStackTrace();
20         }
21     }
22 }

```



Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program to identify the file content "file1.txt" is ready to read using the predefined function ready using Reader

For example:

Result

Is there data in the stream? true
Exception: java.io.FileNotFoundException: file1.txt (No such file or directory)

Answer: (penalty regime: 0 %)

Reset answer

```

1  Reader reader = new FileReader("file1.txt");
2
3  int data = reader.read();
4
5  System.out.println("Is there data in the stream? " + reader.ready());
6
7  reader.close();

```

| | Expected | Got |
|---|--|---------------------------------------|
| ✓ | Is there data in the stream? true Exception: java.io.FileNotFoundException: file1.txt (No such file or directory) | Is there data in Exception: java.. |

Passed all tests! ✓

Question author's solution (Java):

```

1 | Reader reader = new FileReader("file1.txt");
2 |     int data = reader.read();
3 |     System.out.println("Is there data in the stream? " + reader.ready());
4 |
5 |     reader.close();

```

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program for getting input from the user using Input StreamReader

Rule: Use do-while statement and get the input value from the user.

2.Enter the Symbol "#" to quit. Ex: Hi#

For example:

| Input | Result |
|--------|--------|
| hello# | hello# |

Answer: (penalty regime: 0 %)

Reset answer

```

1 | import java.io.*;
2 | public class ReadConsole {
3 |     public static void main(String args[]) throws IOException
4 |     {
5 |         InputStreamReader cin = null;
6 |         try
7 |         {
8 |             cin = new InputStreamReader(System.in);
9 |             char c;
10 |            do
11 |            {
12 |                c = (char) cin.read();
13 |                System.out.print(c);

```

```

14         }while(c != '#');
15     }
16     finally
17     {
18         if (cin != null)
19         {
20             cin.close();
21         }
22     }

```

| | Input | Expected | Got | |
|---|--------|----------|--------|---|
| ✓ | hello# | hello# | hello# | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1  import java.io.*;
2  public class ReadConsole {
3
4      public static void main(String args[]) throws IOException {
5          InputStreamReader cin = null;
6
7          try {
8              cin = new InputStreamReader(System.in);
9              // System.out.println("Enter characters, 'q' to quit.");
10             char c;
11             do {
12                 c = (char) cin.read();
13                 System.out.print(c);
14             } while(c != '#');
15         }finally {
16             if (cin != null) {
17                 cin.close();
18             }
19         }
20     }
21 }

```

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String in a file "testout.txt" using Writer

Note: Write a String "Hi Everybody...Welcome all"

For example:

Result

```

Wrote File Successfully
Hi Everybody...Welcome all
java.io.IOException: Stream Closed

```

Answer: (penalty regime: 0 %)

Reset answer

```

1 Writer w = new FileWriter("testout.txt");
2
3 String content = "Hi Everybody...Welcome all";
4
5 w.write(content);
6 w.close();
7
8 System.out.println("Wrote File Successfully");

```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Wrote File Successfully Hi Everybody...Welcome all java.io.IOException: Stream Closed | Wrote File Successfully Hi Everybody...Welcome all java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1
2 Writer w = new FileWriter("testout.txt");
3 String content = "Hi Everybody...Welcome all";
4 w.write(content);
5 w.close();
6 System.out.println("Wrote File Successfully");

```

Correct

Marks for this submission: 1.00/1.00.

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TT JAVA MODULE-VIII

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/ [D3-FILTER INPUT/OUTPUT STREAMS-HOME CHALLENGE](#)

| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 1:38 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 1:45 PM |
| Time taken | 6 mins 45 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program for displaying number of bytes & data in the file "sample.txt" using FilterInputStream
Note:Already sample.txt file was created.

For example:

Result

Successfully wrote to the file.
Available bytes in the file: 40
Data read from the file:
Filter Input Stream_For Available method

Answer: (penalty regime: 0 %)

Reset answer

```
1 FileInputStream file1 = new FileInputStream("sample.txt");
2 FilterInputStream filter = new BufferedInputStream(file1);
3
4 System.out.println("Available bytes in the file: " +filter.available());
5
6 int k =0;
7 System.out.println("Data read from the file:");
8
9 while((k=filter.read())!=-1)
10 {
11     System.out.print((char)k);
12 }
13
14 file1.close();
15 filter.close();
```


| | Expected | Got | |
|---|--|--|---|
| ✓ | Successfully wrote to the file. Available bytes in the file: 40 Data read from the file: Filter Input Stream_For Available method | Successfully wrote to the file. Available bytes in the file: 40 Data read from the file: Filter Input Stream_For Available method | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 | FileInputSteam file1 = new FileInputSteam("sample.txt");
2 |     FilterInputStream filter = new BufferedInputStream(file1);
3 |     System.out.println("Available bytes in the file: " +filter.available());
4 |         int k =0;
5 |         System.out.println("Data read from the file:");
6 |         while((k=filter.read())!=-1)
7 |         {
8 |             System.out.print((char)k);
9 |         }
10 | file1.close();
11 |     filter.close();
12 |
13 |
14 |

```

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Create a java program using FilterReader to read the content from the file.

Note: "javaFile123.txt" file created which contains "India is my country" text in it.

convert whitespace with question mark '/'.

For example:

Result

India/is/my/country

Answer: (penalty regime: 0 %)

Reset answer

```

1 | class CustomFilterReader1 extends FilterReader
2 | {
3 |     CustomFilterReader1(Reader in)
4 |     {
5 |         super(in);
6 |     }
7 |     public int read() throws IOException
8 |     {
9 |         int x = super.read();
10 |         if ((char) x == ' ')
11 |             return ((int) '/');
12 |         else
13 |             return x;
14 |     }

```

15 |}

| | Expected | Got | |
|---|---------------------|---------------------|---|
| ✓ | India/is/my/country | India/is/my/country | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
1 class CustomFilterReader1 extends FilterReader {
2     CustomFilterReader1(Reader in) {
3         super(in);
4     }
5     public int read() throws IOException {
6         int x = super.read();
7         if ((char) x == ' ')
8             return ((int) '/');
9         else
10            return x;
11    }
12 }
```

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Implement a java Program to convert the file content in to Uppercase letter using Filter Writer concept

Note: Already record.txt was created and data are added. Convert the data into Uppercase character using write operation

For example:

Result

```
HI EVERYBODY
java.io.FileNotFoundException: record.txt (No such file or directory)
```

Answer: (penalty regime: 0 %)

Reset answer

```
1 import java.io.*;
2 class CustomFilterWriter extends FilterWriter
3 {
4     CustomFilterWriter(Writer out)
5     {
6         super(out);
```

```

6      super(out);
7    }
8    public void write(String str) throws IOException
9    {
10       super.write(str.toUpperCase());
11    }
12 }
13

```

| | Expected | Got |
|---|---|--|
| ✓ | HI EVERYBODY java.io.FileNotFoundException: record.txt (No such file or directory) | HI EVERYBODY java.io.FileNotFoundException: |

Passed all tests! ✓

Question author's solution (Java):

```

1  import java.io.*;
2  class CustomFilterWriter extends FilterWriter {
3      CustomFilterWriter(Writer out) {
4          super(out);
5      }
6      public void write(String str) throws IOException {
7          super.write(str.toUpperCase());
8      }
9  }
10

```

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String in a file "Sample1.txt" using FilerOutputStream

Note: Consider a string value as "Welcome Everybody"

For example:

Result

```

Welcome Everybody
java.io.IOException: Stream closed

```

Answer: (penalty regime: 0 %)

Reset answer

```

1  |FileOutputStream file1 = new FileOutputStream("Sample1.txt");

```

```

2
3 FilterOutputStream filter = new FilterOutputStream(file1);
4
5 String s="Welcome Everybody";
6 byte b[]=s.getBytes();
7
8 filter.write(b);
9 filter.close();
10
11 file1.close();

```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Welcome Everybody java.io.IOException: Stream closed | Welcome Everybody java.io.IOException: Stream closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1
2      FileOutputStream file1 = new FileOutputStream("Sample1.txt");
3      FilterOutputStream filter = new FilterOutputStream(file1);
4      String s="Welcome Everybody";
5      byte b[]=s.getBytes();
6      filter.write(b);
7
8      filter.close();
9      file1.close();
10
11

```

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program for displaying data in the file "sample.txt" using FilterInputStream

Note:Already sample.txt file was created.

For example:

Result

Successfully wrote to the file.
Filter Input Stream Sample File

Answer: (penalty regime: 0 %)

Reset answer

```
1 FileInputStream file1 = new FileInputStream("sample.txt");
2
3 FilterInputStream filter = new BufferedInputStream(file1);
4
5 int k =0;
6
7 while( (k=filter.read()) != -1 )
8 {
9     System.out.print((char)k);
10 }
```

| | Expected | Got | |
|---|--|--|---|
| ✓ | Successfully wrote to the file. Filter Input Stream Sample File | Successfully wrote to the file. Filter Input Stream Sample File | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
1 FileInputStream file1 = new FileInputStream("sample.txt");
2 FilterInputStream filter = new BufferedInputStream(file1);
3 int k =0;
4 while((k=filter.read())!=-1){
5     System.out.print((char)k);
6 }
7
8
```

Correct

Marks for this submission: 1.00/1.00.

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[◀ FILTER INPUT STREAM](#)

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TT JAVA MODULE-VIII

| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 9:02 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 9:09 PM |
| Time taken | 6 mins 23 secs |
| Grade | 10.00 out of 10.00 (100%) |

Question 1

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Write a Java Program for displaying number of characters in the file "sample.txt" after skipping the specified characters using FilterInputStream

Note: Already sample.txt file was created. Read the input from the user for skipping characters

For example:

| Input | Result |
|-------|---|
| 2 | Successfully wrote to the file. Available bytes in the file: 40 Available bytes in the file: 38 |

Answer: (penalty regime: 0 %)

Reset answer

```
FileInputStream file1 = new FileInputStream("sample.txt");
FilterInputStream filter = new BufferedInputStream(file1);

Scanner sc=new Scanner(System.in);
int sk=sc.nextInt();

System.out.println("Available bytes in the file: " +filter.available());
filter.skip(sk);
System.out.println("Available bytes in the file: " +filter.available());

file1.close();
filter.close();
```

| | Input | Expected | Got | |
|---|-------|---|---|---|
| ✓ | 2 | Successfully wrote to the file. Available bytes in the file: 40 Available bytes in the file: 38 | Successfully wrote to the file. Available bytes in the file: 40 Available bytes in the file: 38 | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
FileInputStream file1 = new FileInputStream("sample.txt");
FilterInputStream filter = new BufferedInputStream(file1);
Scanner sc=new Scanner(System.in);
    int sk=sc.nextInt();
    System.out.println("Available bytes in the file: " +filter.available());
    filter.skip(sk);
    System.out.println("Available bytes in the file: " +filter.available());
file1.close();
    filter.close();
```

Correct

Marks for this submission: 2.00/2.00.

Question 2

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Write a Java Program for displaying data in the file "sample.txt" using FilterInputStream

Note:Already sample.txt file was created.

For example:

Result

```
Successfully wrote to the file.
Filter Input Stream Sample File
```

Answer: (penalty regime: 0 %)

Reset answer

```
FileInputStream file1 = new FileInputStream("sample.txt");

FilterInputStream filter = new BufferedInputStream(file1);

int k =0;

while( (k=filter.read()) != -1 )
{
    System.out.print((char)k);
}
```


| | Expected | Got | |
|---|--|--|---|
| ✓ | Successfully wrote to the file. Filter Input Stream Sample File | Successfully wrote to the file. Filter Input Stream Sample File | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
FileInputStream file1 = new FileInputStream("sample.txt");
FilterInputStream filter = new BufferedInputStream(file1);
int k =0;
while((k=filter.read())!=-1){
    System.out.print((char)k);
}
```

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Implement a Java Program to write a String in a file "testout.txt" using FilterOutputStream

Note: Consider String str as "Welcome to FilterOutput Stream File" . Use predefined function write(byte[] array, int start, int length) .Get the Starting byte and length from the user and store the characters in the file

For example:

| Input | Result |
|-------|------------------------------------|
| 0 | Welcome t |
| 9 | java.io.IOException: Stream closed |

Answer: (penalty regime: 0 %)

Reset answer

```
FileOutputStream file1 = new FileOutputStream("testout.txt");
FilterOutputStream filter = new FilterOutputStream(file1);

String s="Welcome to FilterOutput Stream File";

byte b[]=s.getBytes();

Scanner sc=new Scanner(System.in);
int start=sc.nextInt();
int length=sc.nextInt();

filter.write(b,start,length);

filter.close();
file1.close();
```

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 0 9 | Welcome t java.io.IOException: Stream closed | Welcome t java.io.IOException: Stream closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

        FileOutputStream file1 = new FileOutputStream("testout.txt");
        FilterOutputStream filter = new FilterOutputStream(file1);
        String s="Welcome to FilterOutput Stream File";
        byte b[]=s.getBytes();

        Scanner sc=new Scanner(System.in);
        int start=sc.nextInt();
        int length=sc.nextInt();
        // write(byte[] array, int start, int length)
        filter.write(b,start,length);
        // filter.write(b);

        filter.close();
        file1.close();

```

100%

Marks for this submission: 2.00/2.00.

Question 4

Correct

Mark 2.00 out of 2.00

Flag question

Implement a java Program to replace the file content "V" character in to "A" character using Filter Writer concept

Note: Already record.txt was created and data are added. Replace the V character into A character using write operation

For example:

| Test | Result |
|---|--|
| FILE CONTENT OF record.txt---HI EVERYBODY | HI EAERYBODY java.io.FileNotFoundException: record.txt (No such file or d |

Answer: (penalty regime: 0 %)

Reset answer

```

import java.io.*;
class CustomFilterWriter extends FilterWriter
{
    CustomFilterWriter(Writer out)

```

```

{
    super(out);
}
public void write(String str) throws IOException
{
    super.write(str.replace('V', 'A'));
}
}

```

| | Test | Expected |
|---|---|---|
| ✓ | FILE CONTENT OF record.txt---HI EVERYBODY | HI EAERYBODY java.io.FileNotFoundException: record.txt (No such file or directory) |

Passed all tests! ✓

Question author's solution (Java):

```

import java.io.*;
class CustomFilterWriter extends FilterWriter {
    CustomFilterWriter(Writer out) {
        super(out);
    }
    public void write(String str) throws IOException {
        super.write(str.replace('V', 'A'));
    }
}

```

Correct

Marks for this submission: 2.00/2.00.

Question 5

Correct

Mark 2.00 out of 2.00

Flag question

Create a java program using FilterReader to read the content from the file.

Note: "javaFile123.txt" file created which contains "India is my country" text in it.

convert whitespace with question mark '\$'.

For example:

Result

India\$is\$my\$country

Answer: (penalty regime: 0 %)

```

class CustomFilterReader1 extends FilterReader
{

```

```

CustomFilterReader1(Reader in)
{
    super(in);
}
public int read() throws IOException
{
    int x = super.read();
    if ((char) x == ' ')
        return ((int) '$');
    else
        return x;
}
}

```

| | Expected | Got | |
|---|------------------------|------------------------|---|
| ✓ | India\$is\$my\$country | India\$is\$my\$country | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

class CustomFilterReader1 extends FilterReader {
    CustomFilterReader1(Reader in) {
        super(in);
    }
    public int read() throws IOException {
        int x = super.read();
        if ((char) x == ' ')
            return ((int) '$');
        else
            return x;
    }
}

```

Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VIII

| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 9:10 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 9:15 PM |
| Time taken | 5 mins 1 sec |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program for displaying number of characters in the file "sample.txt" after skipping the specified characters using FilterInputStream

Note: Already sample.txt file was created. Read the input from the user for skipping characters

For example:

| Input | Result |
|-------|---|
| 2 | Successfully wrote to the file. Available bytes in the file: 40 Available bytes in the file: 38 |

Answer: (penalty regime: 0 %)

Reset answer

```
FileInputStream file1 = new FileInputStream("sample.txt");
FilterInputStream filter = new BufferedInputStream(file1);

Scanner sc=new Scanner(System.in);
int sk=sc.nextInt();

System.out.println("Available bytes in the file: " +filter.available());
filter.skip(sk);
System.out.println("Available bytes in the file: " +filter.available());

file1.close();
filter.close();
```

| | Input | Expected | Got | |
|---|-------|---|---|---|
| ✓ | 2 | Successfully wrote to the file. Available bytes in the file: 40 Available bytes in the file: 38 | Successfully wrote to the file. Available bytes in the file: 40 Available bytes in the file: 38 | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
FileInputStream file1 = new FileInputStream("sample.txt");
FilterInputStream filter = new BufferedInputStream(file1);
Scanner sc=new Scanner(System.in);
    int sk=sc.nextInt();
    System.out.println("Available bytes in the file: " +filter.available());
    filter.skip(sk);
    System.out.println("Available bytes in the file: " +filter.available());
file1.close();
    filter.close();
```

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Implement a Java Program to write a byte in a file "testout.txt" using FilerOutputStream

Note: Consider a string value as "Welcome to FilterOutput Stream File"

For example:

Result

```
Welcome to FilterOutput Stream File
java.io.IOException: Stream closed
```

Answer: (penalty regime: 0 %)

Reset answer

```
FileOutputStream file1 = new FileOutputStream("testout.txt");

FilterOutputStream filter = new FilterOutputStream(file1);

String s="Welcome to FilterOutput Stream File";
byte b[]=s.getBytes();

filter.write(b);
filter.close();

file1.close();
```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Welcome to FilterOutput Stream File java.io.IOException: Stream closed | Welcome to FilterOutput Stream File java.io.IOException: Stream closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

        FileOutputStream file1 = new FileOutputStream("testout.txt");
        FilterOutputStream filter = new FilterOutputStream(file1);
        String s="Welcome to FilterOutput Stream File";
        byte b[]=s.getBytes();
        filter.write(b);

        filter.close();
        file1.close();

```

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Implement a Java Program to write a String in a file "Sample1.txt" using FilerOutputStream

Note: Consider a string value as "Welcome Everybody"

For example:

Result

```

Welcome Everybody
java.io.IOException: Stream closed

```

Answer: (penalty regime: 0 %)

Reset answer

```

FileOutputStream file1 = new FileOutputStream("Sample1.txt");

FilterOutputStream filter = new FilterOutputStream(file1);

String s="Welcome Everybody";
byte b[]=s.getBytes();

filter.write(b);
filter.close();

file1.close();

```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Welcome Everybody java.io.IOException: Stream closed | Welcome Everybody java.io.IOException: Stream closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

        FileOutputStream file1 = new FileOutputStream("Sample1.txt");
        FilterOutputStream filter = new FilterOutputStream(file1);
        String s="Welcome Everybody";
        byte b[]=s.getBytes();
        filter.write(b);

        filter.close();
        file1.close();

```

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

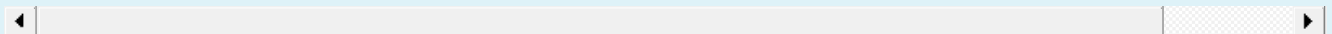
Flag question

Implement a java Program to replace the file content "E" character in to "A" character using Filter Writer concept

Note: Already record.txt was created and data are added. Replace the E character into A character using write operation

For example:

| Test | Result |
|---|--|
| FILE CONTENT OF record.txt---HI EVERYBODY | HI AVARYBODY java.io.FileNotFoundException: record.txt (No such file or d |



Answer: (penalty regime: 0 %)

Reset answer

```

import java.io.*;
class CustomFilterWriter extends FilterWriter
{
    CustomFilterWriter(Writer out)
    {
        super(out);
    }
    public void write(String str) throws IOException
    {
        super.write(str.replace('E', 'A'));
    }
}

```



```
}  
}
```

| | Test | Expected |
|---|---|---|
| ✓ | FILE CONTENT OF record.txt---HI EVERYBODY | HI AVARYBODY java.io.FileNotFoundException: record.txt (No such file or directory) |

Passed all tests! ✓

Question author's solution (Java):

```
import java.io.*;  
class CustomFilterWriter extends FilterWriter {  
    CustomFilterWriter(Writer out) {  
        super(out);  
    }  
    public void write(String str) throws IOException {  
        super.write(str.replace('E', 'A'));  
    }  
}
```

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Create a java program using FilterReader to read the content from the file.

Note: "javaFile123.txt" file created which contains "India is my country" text in it.

convert whitespace with question mark '/'.

For example:

Result

India/is/my/country

Answer: (penalty regime: 0 %)

Reset answer

```
class CustomFilterReader1 extends FilterReader  
{  
    CustomFilterReader1(Reader in)  
    {  
        super(in);  
    }  
    public int read() throws IOException
```

```

public int read() throws IOException
{
    int x = super.read();
    if ((char) x == ' ')
        return ((int) '/');
    else
        return x;
}
}

```

| | Expected | Got | |
|---|---------------------|---------------------|---|
| ✓ | India/is/my/country | India/is/my/country | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

class CustomFilterReader1 extends FilterReader {
    CustomFilterReader1(Reader in) {
        super(in);
    }
    public int read() throws IOException {
        int x = super.read();
        if ((char) x == ' ')
            return ((int) '/');
        else
            return x;
    }
}

```

Correct

Marks for this submission: 1.00/1.00.

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TT JAVA MODULE-VIII

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/ [D4-BUFFERED INPUT/OUTPUT STREAMS-HOME CHALLENGE](#)

| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 1:45 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 1:54 PM |
| Time taken | 9 mins 12 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program for Reading data from console by InputStreamReader and BufferedReader

For example:

| Test | Input | Result |
|------|----------|-------------------|
| 1 | Saveetha | Welcome: Saveetha |

Answer: (penalty regime: 0 %)

```
1 import java.io.*;
2 public class BufferedReaderExample
3 {
4     public static void main(String args[])throws Exception
5     {
6         InputStreamReader r=new InputStreamReader(System.in);
7         BufferedReader br=new BufferedReader(r);
8         String name=br.readLine();
9         System.out.println("Welcome: "+name);
10    }
11 }
```

| | Test | Input | Expected | Got | |
|---|------|----------|-------------------|-------------------|---|
| ✓ | 1 | Saveetha | Welcome: Saveetha | Welcome: Saveetha | ✓ |

Passed all tests! ✓

Question author's solution (Java):

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program for writing the Specified length of data in the file Using `FileOutputStream` & `BufferedOutputStream`
Note: Assume **sample.txt** file created. In the `FileOutputStream` use `sample.txt` file as arguments and display the data in the file using `BufferedOutputStream`. Get the Input String from the User. From the Input String store the data from index value as 5 and length as 10

For example:

| Input | Result |
|---|--|
| This is a line of text inside the Sample file. 5 10 | Original Data: This is a line of text inside the Sample After Skipping: is a line java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

| | Input | Expected |
|---|---|---|
| ✓ | This is a line of text inside the Sample file. 5 10 | Original Data:This is a line of text inside the S After Skipping:is a line java.io.IOException: Stream Closed |

Passed all tests! ✓

Question author's solution (Java):

100%

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program to read Employee data (name ,age,id) from the user using the **BufferedReader** class.

Consider Employee Class using default constructor and instance method for displaying Employee name, age, id

For example:

| Input | Result |
|--------------------|-----------------------------------|
| Peter 32 101 | Name: Peter Age: 32 Id: 101 |

Answer: (penalty regime: 0 %)

Reset answer

| | Test | Input | Expected | Got | |
|---|------|--------------------|-----------------------------------|-----------------------------------|---|
| ✓ | \t | Peter 32 101 | Name: Peter Age: 32 Id: 101 | Name: Peter Age: 32 Id: 101 | ✓ |

Passed all tests! ✓

Question author's solution (Java):

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a Java Program for displaying the data from the file, after skipping characters from the file using Filereader & BufferedReader

Note: Assume **sample.txt** file created. In the FileReader use sample.txt file as arguments and display the data in the file using BufferedReader .Use Predefined function for Skip . Get the Skipping character from the User

Initialize char[] array = new char[36];

For example:

| Input | Result |
|-------|--------|
|-------|--------|

| Input | Result |
|-------|---|
| | Data after skipping 3 characters: s is a line of text inside the file. java.io.IOException: Stream Closed |

Answer: (penalty regime: 0 %)

Reset answer

| | Input | Expected | Got | |
|---|-------|---|---|---|
| ✓ | 3 | Data after skipping 3 characters: s is a line of text inside the file. java.io.IOException: Stream Closed | Data after skipping 3 characters: s is a line of text inside the file. java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

        FileReader fr=new FileReader("sample.txt");
        BufferedReader br=new BufferedReader(fr);
        Scanner sc=new Scanner(System.in);
int  skch=sc.nextInt();
        br.skip(skch);
        char[] array = new char[36];
        System.out.println("Data after skipping "+skch+" characters:");
        br.read(array);
        System.out.println(array);

        br.close();
        fr.close();

```

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a java program for writing the data in the file using Buffered Writer

Note: Read the data from the User

For example:

| Input | Result |
|--------------|---|
| Welcome Java | Welcome Java |
| | java.io.FileNotFoundException: sample.txt (No such file or directory) |

Answer: (penalty regime: 0 %)

```
FileWriter writer = new FileWriter("sample.txt");

BufferedWriter buffer = new BufferedWriter(writer);

Scanner sc = new Scanner(System.in);
String str=sc.nextLine();

buffer.write(str);

buffer.close();
```

| | Input | Expected | Got |
|---|--------------|---|-------------------------------|
| ✓ | Welcome Java | Welcome Java java.io.FileNotFoundException: sample.txt (No such file or directory) | Welcome Java java.io.FileM |

Passed all tests! ✓

Question author's solution (Java):

```
FileWriter writer = new FileWriter("sample.txt");
    BufferedWriter buffer = new BufferedWriter(writer);
    Scanner sc=new Scanner(System.in);
    String str=sc.nextLine();

    buffer.write(str);

    buffer.close();
```

Correct

Marks for this submission: 1.00/1.00.

[◀ BUFFERED INPUT STREAMS](#)

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TT JAVA MODULE-VIII

| | |
|---------------------|---|
| Started on | Monday, 31 July 2023, 9:16 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 9:29 PM |
| Time taken | 13 mins 20 secs |
| Grade | 10.00 out of 10.00 (100%) |

Question 1

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Write a java program for writing the character in the file using Buffered Writer

Note: Read the Character from the User

For example:

| Input | Result |
|-------|--|
| A | A java.io.FileNotFoundException: sample.txt (No such file or directory) |
| B | B java.io.FileNotFoundException: sample.txt (No such file or directory) |

Answer: (penalty regime: 0 %)

```
FileWriter writer = new FileWriter("sample.txt");

BufferedWriter buffer = new BufferedWriter(writer);

Scanner sc = new Scanner(System.in);
String str=sc.nextLine();

buffer.write(str);

buffer.close();
```

| | Input | Expected | Got |
|---|-------|--|--|
| ✓ | A | A java.io.FileNotFoundException: sample.txt (No such file or directory) | A java.io.FileNotFoundException: sample.txt (No such file or directory) |
| ✓ | B | B java.io.FileNotFoundException: sample.txt (No such file or directory) | B java.io.FileNotFoundException: sample.txt (No such file or directory) |

| Input | Expected | Got |
|---------------------|----------|-----|
| Passed all tests! ✓ | | |

Question author's solution (Java):

```

FileWriter writer = new FileWriter("sample.txt");
BufferedWriter buffer = new BufferedWriter(writer);
Scanner sc=new Scanner(System.in);
char c=sc.next().charAt(0);
buffer.write(c);

buffer.close();

```

Marks for this submission: 2.00/2.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program for displaying the data from the file FileInputStream & BufferedInputStream

Note: Assume **sample.txt** file created. In the FileInputStream use sample.txt file as arguments and display the data in the file using BufferedInputStream

For example:

Result

Data in the File:
This is a line of text inside the Sample file.

Answer: (penalty regime: 0 %)

Reset answer

```

FileInputStream fi = new FileInputStream("sample.txt");
BufferedInputStream bi = new BufferedInputStream(fi);

System.out.println("Data in the File:");
int a = 0;

while( (a=bi.read()) != -1)
    System.out.print((char)a);

bi.close();
fi.close();

```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Data in the File: This is a line of text inside the Sample file. | Data in the File: This is a line of text inside the Sample file. | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

FileInputStream fi = new FileInputStream("sample.txt");
BufferedInputStream bi = new BufferedInputStream(fi);

System.out.println("Data in the File:");
int a = 0;
while((a=bi.read()) != -1)
    System.out.print((char)a);
bi.close();
fi.close();

```

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program to read the number from the user using the **BufferedReader** class and perform sum of natural numbers.

For example:

| Input | Result |
|-------|---|
| 10 | Sum of First 10 Natural Numbers is = 55 |

Answer: (penalty regime: 0 %)

Reset answer

```

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
class Sample {
    void natural(int num)
    {
        int i, sum = 0;
        for(i = 1; i <= num; ++i)
        {
            sum = sum + i;
        }
        System.out.println("Sum of First "+num+" Natural Numbers is = " + sum);
    }
}
public class ReadData {
    public static void main(String args[]) throws IOException
    {

```

```
BufferedReader reader =new BufferedReader(new InputStreamReader(System.in));
```

| | Test | Input | Expected | Got | |
|---|------|-------|---|---|---|
| ✓ | \t | 10 | Sum of First 10 Natural Numbers is = 55 | Sum of First 10 Natural Numbers is = 55 | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
class Sample{
    void natural(int num)
    {
        int i, sum = 0;
        //executes until the condition returns true
        for(i = 1; i <= num; ++i)
        {
            //adding the value of i into sum variable
            sum = sum + i;
        }
        //prints the sum
        System.out.println("Sum of First "+num+" Natural Numbers is = " + sum);
    }
}
```

Correct

Marks for this submission: 2.00/2.00.

Question 4

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program for Reading data from console by InputStreamReader and BufferedReader

For example:

| Test | Input | Result |
|------|----------|-------------------|
| 1 | Saveetha | Welcome: Saveetha |

Answer: (penalty regime: 0 %)

```
import java.io.*;
public class BufferedReaderExample
{
    public static void main(String args[])throws Exception
    {
        InputStreamReader r=new InputStreamReader(System.in);
        BufferedReader br=new BufferedReader(r);
        String name=br.readLine();
        System.out.println("Welcome: "+name);
    }
}
```

| | Test | Input | Expected | Got | |
|---|------|----------|-------------------|-------------------|---|
| ✓ | 1 | Saveetha | Welcome: Saveetha | Welcome: Saveetha | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
import java.io.*;
public class BufferedReaderExample{
public static void main(String args[])throws Exception{
    InputStreamReader r=new InputStreamReader(System.in);
    BufferedReader br=new BufferedReader(r);
    //System.out.println("Enter your name");
    String name=br.readLine();
    System.out.println("Welcome: "+name);
}
}
```

2.00/2.00

Marks for this submission: 2.00/2.00.

Question 5

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program to read Employee data (name ,Designation, Salary) from the user using the **BufferedReader** class. Consider Employee Class using default constructor and instance method for displaying Employee name, Designation, Salary

For example:

| Input | Result |
|--------------------------------------|---|
| Peter Software Engineer 450000 | Name: Peter Designation: Software Engineer Salary: 450000 |

Answer: (penalty regime: 0 %)

Reset answer

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
class Employee {
    String name;
    String des;
    int sal;
    Employee(String name, String des, int sal)
    {
```

```

this.name = name;
this.des = des;
this.sal= sal;
}
public void displayDetails()
{
    System.out.println("Name: "+this.name);
    System.out.println("Designation: "+this.des);
    System.out.println("Salary: "+this.sal);
}

```

| | Test | Input | Expected | Got | |
|---|------|--------------------------------------|---|---|---|
| ✓ | \t | Peter Software Engineer 450000 | Name: Peter Designation: Software Engineer Salary: 450000 | Name: Peter Designation: Software Engineer Salary: 450000 | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
class Employee{
    String name;
    String des;
    int sal;
    Employee(String name, String des, int sal){
        this.name = name;
        this.des = des;
        this.sal= sal;
    }
    public void displayDetails(){
        System.out.println("Name: "+this.name);
        System.out.println("Designation: "+this.des);
        System.out.println("Salary: "+this.sal);
    }
}

```

Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VIII

| | |
|--------------|-------------------------------|
| Started on | Monday, 31 July 2023, 9:30 PM |
| State | Finished |
| Completed on | Monday, 31 July 2023, 9:40 PM |
| Time taken | 9 mins 13 secs |
| Grade | 5.00 out of 5.00 (100%) |

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Write a java program for writing the data in the file using Buffered Writer

Note: Read the data from the User, In that get the index value and length value from the user

For example:

| Input | Result |
|--------------|---|
| Welcome Java | lcome |
| 2 | |
| 5 | java.io.FileNotFoundException: sample.txt (No such file or directory) |

Answer: (penalty regime: 0 %)

Reset answer

```
1 | FileWriter writer = new FileWriter("sample.txt");
2 | BufferedWriter buffer = new BufferedWriter(writer);
3 |
4 | Scanner sc=new Scanner(System.in);
5 |
6 | String str=sc.nextLine();
7 | int index=sc.nextInt();
8 | int length=sc.nextInt();
9 |
10 | buffer.write(str,index,length);
11 | buffer.close();
```

| | Input | Expected | Got |
|---|--------------|---|---------------|
| ✓ | Welcome Java | lcome | lcome |
| | 2 | | |
| | 5 | java.io.FileNotFoundException: sample.txt (No such file or directory) | java.io.FileM |

Passed all tests! ✓

Question author's solution (Java):

```
1 FileWriter writer = new FileWriter("sample.txt");
2   BufferedWriter buffer = new BufferedWriter(writer);
3   Scanner sc=new Scanner(System.in);
4   String str=sc.nextLine();
5   int index=sc.nextInt();
6   int length=sc.nextInt();
7   // buffer.write(str);
8   buffer.write(str,index,length);
9
10  buffer.close();
11
```

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program to read Employee data (name ,Designation, Salary) from the user using the **BufferedReader** class.

Consider Employee Class using default constructor and instance method for displaying Employee name, Designation, Salary

For example:

| Input | Result |
|--------------------------------------|---|
| Peter Software Engineer 450000 | Name: Peter Designation: Software Engineer Salary: 450000 |

Answer: (penalty regime: 0 %)

Reset answer

```
1 import java.io.BufferedReader;
2 import java.io.IOException;
3 import java.io.InputStreamReader;
4 class Employee {
5     String name;
6     String des;
7     int sal;
8     Employee(String name, String des, int sal)
9     {
10         this.name = name;
11         this.des = des;
12         this.sal= sal;
13     }
14     public void displayDetails()
15     {
16         System.out.println("Name: "+this.name);
17         System.out.println("Designation: "+this.des);
18         System.out.println("Salary: "+this.sal);
19     }
20 }
21 public class ReadData {
22     public static void main(String args[]) throws IOException
```

Test Input

Expected

Got

| Test | Input | Expected | Got |
|------|-----------------------------|--|--|
| ✓ | Peter | Name: Peter | Name: Peter |
| | Software Engineer 450000 | Designation: Software Engineer Salary: 450000 | Designation: Software Engineer Salary: 450000 |

Passed all tests! ✓

Question author's solution (Java):

```

1 import java.io.BufferedReader;
2 import java.io.IOException;
3 import java.io.InputStreamReader;
4 class Employee{
5     String name;
6     String des;
7     int sal;
8     Employee(String name, String des, int sal){
9         this.name = name;
10        this.des = des;
11        this.sal= sal;
12    }
13    public void displayDetails(){
14        System.out.println("Name: "+this.name);
15        System.out.println("Designation: "+this.des);
16        System.out.println("Salary: "+this.sal);
17    }
18 }
19 public class ReadData {
20     public static void main(String args[]) throws IOException {
21         BufferedReader reader =new BufferedReader(new InputStreamReader(System.in));
22     }

```

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program to read student data (name ,rollNo, subjects marks) from the user using the **BufferedReader** class. Consider Student Class using default constructor and instance method for displaying Student name, rollNo, subjectmarks

For example:

| Input | Result |
|-------|-------------|
| Peter | Name: Peter |
| 101 | Rollno: 101 |
| 97 | Marks 1: 97 |
| 98 | Marks 2: 98 |
| 99 | Marks 3: 99 |

Answer: (penalty regime: 0 %)

Reset answer

```

1 import java.io.BufferedReader;
2 import java.io.IOException;
3 import java.io.InputStreamReader;
4 class Student {
5     String name;
6     int rollno;
7     int m1,m2,m3;
8     Student(String name,int rollno,int m1,int m2,int m3)
9     {

```

```

10     this.name = name;
11     this.rollno = rollno;
12     this.m1 =m1;
13     this.m2=m2;
14     this.m3=m3;
15 }
16 public void displayDetails()
17 {
18     System.out.println("Name: "+this.name);
19     System.out.println("Rollno: "+this.rollno);
20     System.out.println("Marks 1: "+this.m1);
21     System.out.println("Marks 2: "+this.m2);
22     System.out.println("Marks 3: "+this.m3);

```

| | Test | Input | Expected | Got | |
|---|------|--------------------------------|---|---|---|
| ✓ | \t | Peter 101 97 98 99 | Name: Peter Rollno: 101 Marks 1: 97 Marks 2: 98 Marks 3: 99 | Name: Peter Rollno: 101 Marks 1: 97 Marks 2: 98 Marks 3: 99 | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 import java.io.BufferedReader;
2 import java.io.IOException;
3 import java.io.InputStreamReader;
4 class Student{
5     String name;
6     int rollno;
7     int m1,m2,m3;
8     Student(String name,int rollno,int m1,int m2,int m3){
9         this.name = name;
10        this.rollno = rollno;
11        this.m1 =m1;
12        this.m2=m2;
13        this.m3=m3;
14    }
15    public void displayDetails(){
16        System.out.println("Name: "+this.name);
17        System.out.println("Rollno: "+this.rollno);
18        System.out.println("Marks 1: "+this.m1);
19        System.out.println("Marks 2: "+this.m2);
20        System.out.println("Marks 3: "+this.m3);
21    }
22 }

```

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java Program for displaying the data from the file after skip method using FileInputStream & BufferedInputStream
 Note: Assume **sample.txt** file created. In the FileInputStream use sample.txt file as arguments and display the data in the file using BufferedInputStream

Use Skip() method for skipping some data in the user. Get the skip byte value from the user

For example:

| Input | Result |
|-------|--|
| 5 | Contents after skipping 5 bytes: is a line of text inside the file. |

Answer: (penalty regime: 0 %)

Reset answer

```

1 FileInputStream fi = new FileInputStream("sample.txt");
2 BufferedInputStream bi = new BufferedInputStream(fi);
3
4 Scanner sc=new Scanner(System.in);
5
6 int sk=sc.nextInt();
7 bi.skip(sk);
8
9 System.out.println("Contents after skipping "+sk+" bytes:");
10
11 int a = 0;
12
13 while( (a=bi.read()) != -1)
14     System.out.print((char)a);
15
16 bi.close();
17 fi.close();

```

| | Input | Expected | Got | |
|---|-------|--|--|---|
| ✓ | 5 | Contents after skipping 5 bytes: is a line of text inside the file. | Contents after skipping 5 bytes: is a line of text inside the file. | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```

1 FileInputStream fi = new FileInputStream("sample.txt");
2 BufferedInputStream bi = new BufferedInputStream(fi);
3 Scanner sc=new Scanner(System.in);
4 int sk=sc.nextInt();
5 bi.skip(sk);
6 System.out.println("Contents after skipping "+sk+" bytes:");
7 int a = 0;
8 while((a=bi.read()) != -1)
9     System.out.print((char)a);
10 bi.close();
11 fi.close();
12
13

```

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

Flag question

Write a java Program for reading the characters from the user and print in the display screen using Buffered InputStream

For example:

| Test | Input | Result |
|------|----------|--------------------------------------|
| 1 | Saveetha | S a v e e t h a |

Answer: (penalty regime: 0 %)

Reset answer

```
1 import java.io.*;
2 import java.io.*;
3 public class Main {
4     public static void main(String[] args) throws IOException
5     {
6         BufferedInputStream bf = new BufferedInputStream(System.in);
7         try
8         {
9             int i;
10            while((i = bf.read()) != -1)
11            {
12                char c = (char) i;
13                System.out.println(c);
14            }
15        }
16        finally
17        {
18            bf.close();
19        }
20    }
21 }
```

| | Test | Input | Expected | Got | |
|---|------|----------|--------------------------------------|--------------------------------------|---|
| ✓ | 1 | Saveetha | S a v e e t h a | S a v e e t h a | ✓ |

Passed all tests! ✓

Question author's solution (Java):

```
1 import java.io.*;
2 import java.io.*;
3 public class Main {
4     public static void main(String[] args) throws IOException
5     {
6         BufferedInputStream bf = new BufferedInputStream(System.in) ;
7         try{
8             int i;
9             while((i = bf.read()) != -1) {
10                 char c = (char) i;
11                 System.out.println(c);
12             }
13         }
14     }
15 }
```

```
11         System.out.println(c);
12     }
13 }
14 finally{
15     bf.close();
16 }
17 }
18 }
19 }
```

Correct

Marks for this submission: 1.00/1.00.

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TT JAVA MODULE-VIII

| | |
|---------------------|---------------------------------|
| Started on | Tuesday, 1 August 2023, 9:20 AM |
| State | Finished |
| Completed on | Tuesday, 1 August 2023, 9:42 AM |
| Time taken | 21 mins 55 secs |
| Grade | 100.00 out of 100.00 |

Question 1

Correct

Mark 20.00 out of 20.00

🚩 Flag question

Write a Java Program to read the content from the String using Reader

Note: Initialize String Value as "WELCOME ALL." and Display the Content of the String using predefined function

Initialize char[] array = new char[12];

For example:

Result

Data read from the string:
WELCOME ALL.

Answer: (penalty regime: 0 %)

Reset answer

```
import java.io.*;
import java.util.*;
public class JavaCharArrayReaderReadExample4
{
    public static void main(String[] args)
    {
        String s ="WELCOME ALL.";
        char[] array = new char[12];
        try
        {
            Reader input = new StringReader(s);
            input.read(array);
            System.out.println("Data read from the string:");
            System.out.println(array);
            input.close();
        }
        catch(Exception e)
        {
        }
```

| | Expected | Got | |
|---|--|--|---|
| ✓ | Data read from the string: WELCOME ALL. | Data read from the string: WELCOME ALL. | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 2

Correct

Mark 20.00 out of 20.00

Flag question

Implement a Java Program to write a byte in a file "testout.txt" using FilerOutputStream

Note: Consider a string value as "Welcome to FilterOutput Stream File"

For example:

Result

```
Welcome to FilterOutput Stream File
java.io.IOException: Stream closed
```

Answer: (penalty regime: 0 %)

Reset answer

```
FileOutputStream file1 = new FileOutputStream("testout.txt");
```

```
FilterOutputStream filter = new FilterOutputStream(file1);
```

```
String s="Welcome to FilterOutput Stream File";
byte b[]=s.getBytes();
```

```
filter.write(b);
filter.close();
```

```
file1.close();
```

| | Expected | Got | |
|---|---|---|---|
| ✓ | Welcome to FilterOutput Stream File java.io.IOException: Stream closed | Welcome to FilterOutput Stream File java.io.IOException: Stream closed | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 3

Correct

Mark 20.00 out of 20.00

Flag question

Write a java Program for reading the characters from the user and print in the display screen using Buffered InputStream

For example:

| Test | Input | Result |
|------|----------|--------------------------------------|
| 1 | Saveetha | S a v e e t h a |

Answer: (penalty regime: 0 %)

```
import java.io.*;
public class Main{
    public static void main(String[] args) throws IOException
    {
        BufferedInputStream bf = new BufferedInputStream(System.in);
        int i;
        try
        {
            while ( (i=bf.read()) != -1)
            {
                char c=(char) i;
                System.out.println(c);
            }
        }
        finally
        {
            bf.close();
        }
    }
}
```

| | Test | Input | Expected | Got | |
|---|------|----------|--------------------------------------|--------------------------------------|---|
| ✓ | 1 | Saveetha | S a v e e t h a | S a v e e t h a | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 4

Correct

Mark 20.00 out of 20.00

Flag question

Write a java program to declare and initialization the string value in to the array and display the string from string array elements using single dimensional array.

For example:

Result

These are elements of one Dimensional array:

one
two
three
four

Answer: (penalty regime: 0 %)

```
public class Demo{  
    public static void main(String args[])  
    {  
        String[] arr={"one","two","three","four"};  
        System.out.println("These are elements of one Dimensional array:");  
        for (int i=0;i<arr.length;i++)  
        {  
            System.out.println(arr[i]);  
        }  
    }  
}
```

| | Expected | Got | |
|---|---|---|---|
| ✓ | These are elements of one Dimensional array: one two three four | These are elements of one Dimensional array: one two three four | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question **5**

Correct

Mark 20.00 out of 20.00

🚩 Flag question

Implement a Java Program to write a String in a file "testout.txt" using FileOutputStream

Note: Consider String str as "Welcome to Saveetha" . Use predefined function write(byte[] array, int start, int length) .Get the Starting byte and length from the user and store the characters in the file

For example:

| Input | Result |
|--------|---|
| 0 5 | Successfully Completed Welco java.io.IOException: Stream Closed |

| Input | Result |
|-------|--------|
|-------|--------|

Answer: (penalty regime: 0 %)

Reset answer

```
FileOutputStream fout=new FileOutputStream("testout.txt");
```

```
String s="Welcome to Saveetha";
```

```
byte b[]=s.getBytes();
```

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

```
int start=sc.nextInt();
```

```
int length=sc.nextInt();
```

```
fout.write(b,start,length);
```

```
fout.close();
```

```
System.out.println("Successfully Completed");
```

| | Input | Expected | Got | |
|---|--------|---|---|---|
| ✓ | 0 5 | Successfully Completed Welco java.io.IOException: Stream Closed | Successfully Completed Welco java.io.IOException: Stream Closed | ✓ |

Passed all tests! ✓

Submit

Marks for this submission: 20.00/20.00.

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