

Lab5 – Assignment

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1) Write a program which calculates the monthly bill amount for a internet subscriber based on the following logic:

1) If the total data consumed is less than 10 GB then bill amount will be Rs. 300. (Basic charge)

2) If the data consumed is between 10 GB and 30 GB then bill amount will be basic charge + 5* (Total GB consumed - 10).

That means consumers will be charged Rs 5 for each additional GB consumed over 10 GB.

3) If the consumer consumes more than 30 GB then

The bill amount = 400 + 3 *(Total GB consumed - 30).

That means the consumer has to pay additional Rs 3 for each GB above 30GB.

Use if-else block to solve the problem.

```
package com.wrapperclass.examples;
import java.util.Scanner;
// This code about internet subscriber interms of Giga
Bytes
public class BillAmount {
public static void main(String[] args) {

    Scanner obj = new Scanner(System.in);

    System.out.println("Enter Data Consumed by the
Subscriber : ");
    int data_consumed=obj.nextInt();
```

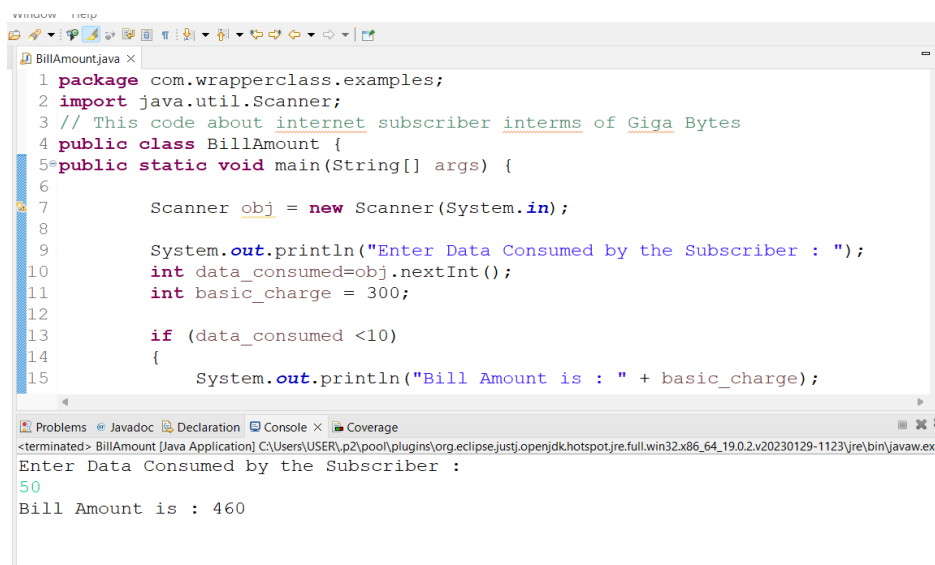
```

        int basic_charge = 300;

        if (data_consumed <10)
        {
            System.out.println("Bill Amount is : " +
basic_charge);
        }
        else if (data_consumed >10 & data_consumed <30)
        {
            int amount = basic_charge + 5*
(data_consumed - 10);
            System.out.println("Bill Amount is : " +
amount);
        }
        else
        {
            int amount1 = 400 + 3 *(data_consumed -
30);
            System.out.println("Bill Amount is : "
+amount1);
        }
    }
}

```

Output:



The screenshot shows the Eclipse IDE with a Java file named 'BillAmount.java' open. The code in the editor is as follows:

```

1 package com.wrapperclass.examples;
2 import java.util.Scanner;
3 // This code about internet subscriber interms of Giga Bytes
4 public class BillAmount {
5     public static void main(String[] args) {
6
7         Scanner obj = new Scanner(System.in);
8
9         System.out.println("Enter Data Consumed by the Subscriber : ");
10        int data_consumed=obj.nextInt();
11        int basic_charge = 300;
12
13        if (data_consumed <10)
14        {
15            System.out.println("Bill Amount is : " + basic_charge);

```

The bottom of the screenshot shows the 'Console' view with the following output:

```

<terminated> BillAmount [Java Application] C:\Users\USER\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe
Enter Data Consumed by the Subscriber :
50
Bill Amount is : 460

```