Home Work

1. Take values of length and breadth of a rectangle from user and check if it is square or not.
2. A student will not be allowed to sit in exam if his/her attendance is less than 75%.

Take following input from user

Number of classes held

Number of classes attended.

And print

percentage of class attended

Is student is allowed to sit in exam or not

1. Write a program to find whether a given year is a leap year or not.
2. Write a program to find the largest of three numbers.
3. Write a program to sort four number in order to bigger to smaller
4. Write a program to read temperature in centigrade and display a suitable message according to temperature state below:  
   Temp < 0 then Freezing weather  
   Temp 0-9 then Very Cold weather  
   Temp 10-19 then Cold weather  
   Temp 20-29 then Normal in Temp  
   Temp 30-39 then Its Hot  
   Temp >=40 then Its Very Hot
5. Write a program to check whether a triangle is Equilateral, Isosceles or Scalene
6. Write a program to calculate profit and loss on a transaction.
7. Write a program to calculate and print the Electricity bill of a given customer. The customer id., name and unit consumed by the user should be taken from the keyboard and display the total amount to pay to the customer. The charge are as follow :

|  |  |
| --- | --- |
| Unit | Charge/unit |
| upto 199 | @1.20 |
| 200 and above but less than 400 | @1.50 |
| 400 and above but less than 600 | @1.80 |
| 600 and above | @2.00 |

If bill exceeds BDT. 400 then a surcharge of 15% will be charged and the minimum bill should be of BDT. 100/-

1. Write a program to accept a grade and declare the equivalent description :

|  |  |
| --- | --- |
| Grade | Description |
| E | Excellent |
| V | Very Good |
| G | Good |
| A | Average |
| F | Fail |