**Assignment 4**

1. Write a program in C 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 Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/-

***Test Data:***  
1001  
James  
800  
***Expected Output* :**  
Customer IDNO :1001  
Customer Name :James  
unit Consumed :800  
Amount Charges @Rs. 2.00 per unit : 1600.00  
Surchage Amount : 240.00  
Net Amount Paid By the Customer : 1840.00

2. Write a program in C to read any Month Number in integer and display Month name in the word.   
**Test Data :**  
4  
***Expected Output* :**  
April

3.Write a program in C to print day of week name using switch case

***Test Data:***

Input week number(1-7): 2

***Expected Output* :**

Tuesday

4. Write a program in C to create calculator using switch case and functions

***Test Data:***

Enter the value 1: 20

Enter the value 2: 60

Enter the operation want to perform: +

***Expected Output* :**

Sum is: 80

5. Write a program in C to check vowel or consonant using switch case.

***Test Data:***

Enter a Character: e

***Expected Output* :**

It’s a Vowel