

# International Islamic University Chittagong

Department of Electrical & Electronic Engineering

CSE 1122 Computer Programming I Sessional

## Lab Assignment – II

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1. Write a program to determine whether a given number is odd or even.
2. Write a program to find out the largest number among three numbers A, B and C.
3. Write a program that reads a year from the keyboard and determine whether it is leap year or not.
4. Write a program that computes an employee's gross pay and net pay using the formulas-  
$$\text{Gross} = \text{Hours} * \text{Rate}$$
$$\text{Net} = \text{Gross} - \text{Tax}$$

Tax is subtracted from the gross only if an employee earns more than TK.5000. Otherwise deduct no tax. Tax rate is 5% of gross pay.
5. Write a program which receives the score of a student and display the grade according to the following classification:

<u>Grade</u>	<u>Score</u>
A	80 ..100
B	65 .. 79
C	50 .. 64
D	40 .. 49
F	00 .. 39
6. An electricity board charges the following rates to domestic users to discourage the large consumption of energy:  
For the first 100 units : Tk. 1.75 per unit  
For next 200 units : Tk. 2.25 per unit  
Beyond 300 units : Tk. 3.50 per unit  
All users are charged a minimum of Tk. 100/=. If the total cost is more than Tk. 1000/= then an additional surcharge of 15% is added.  
Write a program to read out the names of users and number of units consumed and print out the charges with names.
7. Write a program that plays the game of “Rock, paper, scissors”. In this game, two players simultaneously say “rock”, “paper” or “scissors”. The winner is one whose choice dominates the other. The rules are: paper dominates (wraps) rock, rock dominates (breaks) scissors, and scissors dominate (cut) paper.
8. Write a program to determine whether the given character is vowel or consonant.
9. Write a program that reads a data form the keyboard in the form "dd-mm-yy" and displays the date in the following form-  
January 2nd, 1999  
February 3rd, 1985 etc.
10. Write a program to read a letter from the keyboard and display it in opposite case.

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Last date of submission:

**Saifur Rahaman**

Assistant Professor

Dept. of CSE, IIUC