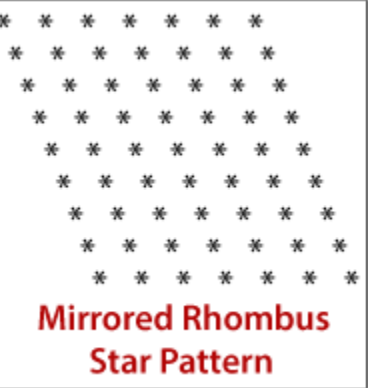# Lab1 CSE 102

BASIC INPUT OUTPUT STATEMENTS

CCE A

1. Read two integer numbers and find their sum, difference, product, quotient and remainder
2. Read the distance in km and convert to meter
3. Write a program to convert inches into centimeters.
4. Convert temperature given in Fahrenheit to Celsius
   °C = (°F - 32) * 5/9
5. Convert measurement given in feet to cms[1 feet = 30.48cm]
6. Write a program to input the rainfall of three consecutive days and find its average?
7. Find the area and perimeter of (a) square and (b) rectangle. Input the side(s) through the keyboard?
8. Accept any three numbers and find their squares and cubes.
9. Read the initial velocity u, acceleration a and time t and calculate the displacement S

S = ut +1/2 at2

10. Write a program to find the total amount when there are five notes of Rs. 100, three notes ofRs. 50 and 20 notes of Rs. 20.

Exercises Print Statements

1. Write a C Program to display Multiple Lines of Output
   Sample output:
   Testing...
   ..1
   ...2
  3
2. Write a program to print your Biodata. Format is attached
3. Write a program that subtracts the value 15 from 87 and displays the result, together with an appropriate message, at the terminal.
4. Write a C Program to print the following pattern.

```
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
```
Square Star Pattern

```
* * * * * * * *
* *         * *
*   *     *   *
*     * *     *
*     * *     *
*     * *     *
*   *     *   *
* *         * *
* * * * * * * *
```
Hollow Square Star
Pattern with Diagonal

```
* * * * *
* * * *
* * *
* *
*
*
* *
* * *
* * * *
* * * * *
```
Left Arrow Star
Pattern

```
* * * * * * * *
 * * * * * * * *
  * * * * * * * *
   * * * * * * * *
    * * * * * * * *
     * * * * * * * *
      * * * * * * * *
       * * * * * * * *
```
Mirrored Rhombus
Star Pattern

```
            *
           * *
          * * *
         * * * *
        * * * * *
       * * * * * *
      * * * * * * *
     * * * * * * * *
    * * * * * * * * *
   * * * * * * * * * *
```

Pyramid Star Pattern

BIO-DATA

┌─────────┐
│ **I.D** │
│   │
│ **PHOTO** │
└─────────┘

PERSONAL DATA:

Position Desired : _____ Date : _____

Name : _____ Sex : _____

City Address : _____

Provincial Address : _____

Telephone : _____ Cell phone : _____

E-mail Address : _____

Date of Birth : _____ Place : _____

Civil Status : _____ Citizenship : _____

Height : _____ Weight : _____

Religion : _____

Spouse : _____ Occupation : _____

Name of Children : _____ Date of Birth : _____

Father's Name : _____ Occupation : _____

Mother's Name : _____ Occupation : _____

Parent's Address : _____

Language/Dialect spoken & written: _____

Person to be contacted in case of emergency: _____

His/Her Address and Telephone: _____

EDUCATIONAL ATTAINMENT:

Elementary : _____ Year Graduated : _____

High School : _____ Year Graduated : _____

College : _____ Year Graduated : _____

Degree received : _____

Special Skills : _____

EMPLOYMENT RECORDS:

Company Name : _____

Position : _____ From: _____ To: _____

Company Name : _____

Position : _____ From: _____ To: _____

CHARACTER REFERENCE:

Name : _____ Company : _____

Position : _____ Contact No. : _____

Name : _____ Company : _____

Position : _____ Contact No. : _____

Res. Cert. No. : _____

Issued at : _____

Issued on : _____

SSS : _____

TIN : _____

NBI No. : _____

Passport No. : _____

I hereby certify that the above information is true and correct to the best of my knowledge and belief. I also understand that any misinterpretation will be considered sufficient reason for withdrawal of an offer or subsequent dismissal if employed.

_____
Applicant's Signature

1. Write a C program to print a block F using hash (#), where the F has a height of six characters and width of five and four characters.

And also to print a big 'C'

```
######
#
#
#####
#
#
#
```

```
    ######
  ##    ##
 #
 #
 #
 #
 #
  ##    ##
    ######
```

2. Write a C program to convert specified days into years, weeks and days.

Test Data:-

Number of days: 1329

Expected Output :

Years: 3

Weeks: 33

Days: 3

3. Write a C program that accepts an employee's ID, totally worked hours of a month and the amount he received per hour.

Print the employee's ID and salary for a particular day.

Test Data :

Input the Employees ID: 0342

Input the working hrs: 8

Salary amount/hr: 1500

Expected Output:

Employees ID = 0342

Salary = U$ 12000

4. Write a C program to convert a given integer (in days) to years, months and days, assuming that all months have 30 days and all years have 365 days.

Test Data :

Input no. of days: 2535

Expected Output:

6 Year(s)

11 Month(s)

15 Day(s)