

## Lab 2

### Practice Tasks:

#### Task 1:

Write a C++ program which would print the following screen as output:

```
*****
*   Welcome to my program   *
*****
```

#### Task 2:

Write a program to input your name, roll number and your department. Print the information, in the form as show in the image.

```
*** My Introduction ***
*Name: Sunduss *
*Roll Number: 22i0001 *
*Department: Cyber Security *
*The End*
```

#### Task 3:

Take temperature in Fahrenheit as input from user and display in Celsius

$$C = (F - 32) * 5 / 9$$

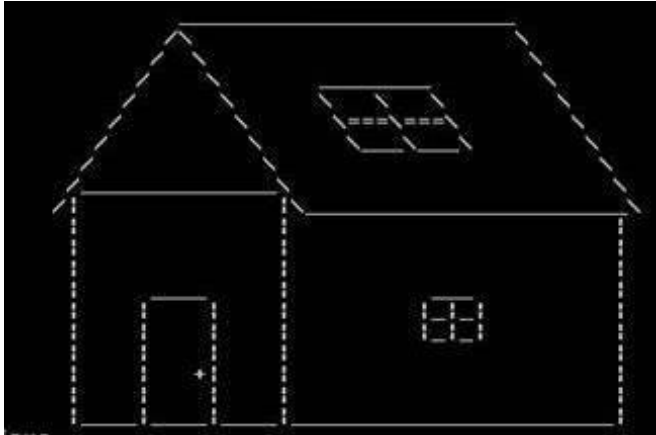
#### Task 4:

Write a program that prints the following using COUT statement.

(1)	(2)	(3)	(4)	(5)	(6)
*	*****	*	*	*	*
***	*       *	**	**	*   *	*****
*****	*       *	***	***	*	*****
***	*       *	****	****	*   *	*****
*	*****	*****	*****	*   *	*****

### Task 5:

Write a program that prints the following using COUT statements.



### **Bonus task:**

Write a program to print the following using just ONE COUT statement & stew function



**Note:** Use `setw` function instead of space character

### Bonus task:

Write a program that takes radius of circle from user and calculate the area of circle using the following formula.  $\text{Area} = \pi r^2$ .