

Objectives:

At the end of the class the students should be able to:

- Implement simple functions in C language

Exercise 1:

- a) Write a function drawLines() to draw the below figure.

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

- b) Call the drawLines() function in your main program to draw the rectangle.
- c) Write another function called drawLinesWithRow() to pass the no of lines(rows) as a parameter.

Ex: void drawLinesWithRow(int rows)

If 3 is passed as the number of rows, the function should print,

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

- d) Call the function created in section c) in your main program and draw two rectangles with 6 and 12 rows.

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- e) Write another function called `drawLinesWithRowCol()` to pass the no of rows and columns as parameters.
Ex: `void drawLinesWithRowCol (int rows, int cols);`
If 3 is passed as the number of rows and 5 as the number of columns, the function should print,

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

- f) Call the function created in section e) in your main program and draw a rectangles with 7 rows and 4 columns.

- g) Draw the following figure in your program using the functions you have created in previous sections.

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

- h) Write a new function to print a rectangle with a given width, height and the character as the parameter. The rectangle should be printed using that character. Call the function in your main program