

## Assignment 01

Write a small program to print stars ascending and descending up to 7 levels like below. User should be able to enter a value and if the input is less than 100 stars should be printed in descending manner and if the input is more than 100 stars should be printed in ascending manner. The program should loop until user enters 100. Once the 100 is entered program should print 100 and exit. (See the sample output section to see how the output)

### Descending

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

### Ascending

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

Write an assembly code (8086) to achieve the above mentioned. You may use the “debug” command under windows environment or use Flat Assembler. Note that this should be a console application.

## Expectations from the assignment

- Able to write programs using Assembly language
- Able to understand the type of registers, usage of them
- Able to understand and use the syntax of Assembly language
- Able to use conditional statements, looping
- Able to display desired output
- Able to read keyboard input

