

1. Write a program in assembly language that inputs obtained and total marks, calculates percentage and prints "Pass" in case the percentage is above 50% else print "Fail" otherwise.
2. Write a program in assembly language to print following pattern using loop structure.

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

3. Consider, a string variable is declared & initialized with alphabets a to z in lower-case. Write a program that converts all alphabets (except that of alphabet 'm') to upper-case using loop structure and "AND" instruction. For alphabet 'm', your program should skip operations in a loop structure.
4. Write a program in assembly language to print following pattern using loop structure.

```
0  
12  
345  
6789
```

5. Consider, a string variable is declared & initialized with alphabets A to Z in upper-case. Write a program that converts all alphabets (except that of alphabet 'O') to lower-case using loop structure and "OR" instruction. For alphabet 'O', your program should skip operations in a loop structure.