Lab 02

1. Take an integer variable. Initialize it by 2. Using ***printf***, variable and multiplication operation, print following output:

```
X  X^2   X^3   X^4   X^5   X^6   X^7   X^8   X^9
2  4     8     16    32    64    128   256   512
```

Note 1: Use escape sequence \t for formatting

Note 2: Hardcode output will not be accepted in any case and may reward in zero marks against such question. First line of output will be hard code but second line should be generated using multiplication operation. You may write multiple ***printf*** statements.

2. Write a program to input obtained marks out of 900 marks. Find and print percentage marks?

3. Most of you will be familiar with equation $v_f = v_i + \frac{1}{2}at^2$.

Take variables for v_i, a & t. Input their values from user. Calculate and print value v_f

4. Write first four alphabets using ***printf*** statements?