1. Print the following patterns, take the no. of rows as an input from the user.

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

```
8
88
888
8888
88888
888888
8888888
88888888
```

2. Write a program to compute the factorial of a no. The no. must be taken from the user.
3. Take 10 integers from keyboard using loop and print their average value on the screen.
4. Write a program to take an input from the user and identify if the no. entered is a prime no. or not.