

1. Write a program to show the following triangle/rectangle of '*'s or numbers. Take n as input from user to determine the number of rows of the structure. (eg: n = 5)

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

2. Write a program to determine all prime numbers within the range [a ...b] where a & b are input through keyboard.
3. Write a program to print out all Armstrong numbers between 1 and 10000.