

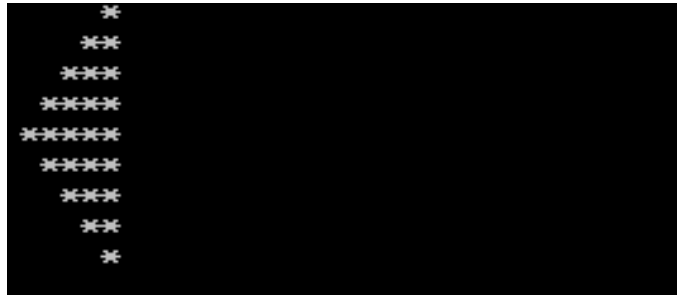


# Dr Subhash Technical Campus

Faculty of MCA

## Practical Assignment:

1. Write a program to accept number as an integer as a command line argument and display following pattern



2. Write a JAVA program to apply method overloading. create a class shape which contains method area and apply method overloading to calculate rectangle area, circle area, Parallelogram area.  
Formula for area calculation:  
Parallelogram area:  $A = bh$  ( $b$ =base,  $h$ =height)  
Circle area:  $A = \pi * r^2$   
Rectangle area:  $A = wl$  ( $w$ =width,  $l$ =length)
3. Write a JAVA program to create an interface Operation and add two methods withdraw(double amount) and deposit(). implement operation interface in SBI Bank class and HDFC class.
4. Write a JAVA program to create an abstract class Bank which has abstract methods interestrate(). calculate interest value of SBI Bank, BOB Bank and Yes Bank.
5. Write a JAVA program to perform constructor overloading. create a class which contains 2 parameterized constructor one contains integer value as parameter to calculate number is prime or not and second constructor contains String parameter which checks String is palindrome or not.
6. Write a JAVA program perform following class hierarchy. create a class Employee which contains eid, ename, department. create a class salary which extends employee class and contains eid, salary, no of leave. create a emp\_salary class to display the information of employee and its salary details.
7. Write a program in java creates 3 different class. customer class displays the current data of customers who book ticket for reservation in railway. Ticket\_book class is used to book the tickets and Ticket\_cancel is used to cancel ticket reservation.