REVISION with C / C++

1. *Write a Java program to demonstrate Constructor overloading.*
2. *Write a menu driven program to execute:*
   1. *Factorial of a number*
   2. *Fibonacci series*
3. *An RTO generates new 4-digit registration number for every new vehicle. If vehicle owners request for 4-digit number with unique digits, how many vehicles can be supplied with such a demand? Write a program to compute the same.*
4. *Generate the pattern with a single ‘for’ loop (max limit: 9)*

*1*

*121*

*12321..*

***Challenge Programs:***

1. *Write a program to display prime numbers between a given range. Input the two numbers as command-line arguments.*

*Analyze and explain the procedure.*

1. *Maruti Suzuki Nexa at Mysore road has 5 Baleno, 7 Ignis and 8 Ciaz cars. The cost of each model is different. Write a program which includes two methods update(), sell() and sales(). Update() method will update the cost of each model, whenever required. Sell() method will add cost of the car model which is sold. Sales() method will display the total sales amount and total number of cars sold in each category(model), at any given point of time.*