Java Assignment 01

1. WAP to find out that the given number is even or odd.
2. WAP to find out that the given number is prime or not.
3. WAP to find out that the given number is Armstrong or not.
4. WAP to print the Fibonacci series till 8^{th} element of the series.
5. WAP to print the following patterns

a.
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*
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***
****
```

b.
```
****
***
**
*
```

c.
```
    *
   ***
  *****
 *******
```

d.
```
*******
 *****
  ***
   *
  ***
 *****
*******
```

e.
```
****
***
**
*
**
***
****
```

f.
```
******
*    *
*    *
*    *
*    *
******
```

6. Write a Java program to find the factorial of a number.
7. Write a program to input n numbers on command line argument and calculate maximum of them.
8. Write a program to print the sum and average of the even and odd numbers separately given on command line argument.
9. WAP to print all the prime numbers in an array of n elements by taking command line arguments.
10. Design a class for a bank database the database should support the following operations.
    a. Deposit a certain amount into an account,
    b. Withdrawing a certain amount from an account,
    c. Return a value specifying the amount (i.e. balance) in an amount.