Assignment 1

Q1. Accept a integer number and when the program is executed print the binary, octal and hexadecimal equivalent of the given number.
Sample Output:
java Test
Enter Number : 20
Given Number :20
Binary equivalent :10100
Octal equivalent :24
Hexadecimal equivalent :14

Hint : Use Wrapper Class (toBinaryString() , toOctalString(), toHexString())

2. Accept 2 double values from User (using Scanner). Check data type. If arguments are not doubles, supply suitable error message & terminate.
If numbers are double values, print its average.

3. Display food menu to user. User will select items from menu along with the quantity. (eg 1. Dosa 2. Samosa 3. Idli ... 10 . Generate Bill) Assign fixed prices to food items(hard code the prices) When user enters 'Generate Bill' option , display total bill & exit.

4. Write a program to generate following pattern
a)
```
        *
      *   *
    *   *   *
  *   *   *   *
*   *   *   *   *
```

b)
```
      *
     ***
    *****
   *******
 *********
   *******
    *****
     ***
      *
```

c)
```
     *
    **
   ***
  ****
 *****
******
```