If-else, Loops, Operators, & List Comprehensions (Lab 6)

1. Use for, .split(), and if to create a Statement that will print out words that start with 's'.
2. Use range() to print all the even numbers from 0 to 10.
3. Use a List Comprehension to create a list of all numbers between 1 and 50 that are divisible by 3.
4. Go through the string below and if the length of a word is even print "even!"
      st = 'Print every word in this sentence that has an even number of letters'
5. Write a program that prints the integers from 1 to 100. But for multiples of three print "Fizz" instead of the number, and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz".
6. Use List Comprehension to create a list of the first letters of every word in the string below:
      st = 'Create a list of the first letters of every word in this string'
7. WAP to check if a number is an Armstrong number or not.
8. WAP to enter numbers into a list and print for each number whether it is a palindrome or not.
9. WAP to enter strings into a list and print for each number whether it is a palindrome or not.
10. WAP to enter numbers into a list and print for each number whether it is a perfect number or not.
11. WAP to print the grades of students based on following data:

Marks	Grade
90-100	O
80-89	E
70-79	A
60-69	B
50-59	C
40-49	D
Less than 40	F

12. WAP to enter marks of 5 students in 5 subjects and calculate the average marks and grades using for loop. The marks in 5 subjects should be stored in a list.
13. WAP to find the designation of an employess based on below data:
    a)   If salary > 500000, designation = Sr. Manager
    b)   If salary between 200000 to 400000 = Manager
    c)   If salary between 50000 to 150000 = Employee
    d)   If salary < 50000 = Clerk
14. Demonstrate tuple unpacking with suitable example.
15. WAP to print numbers from 1 to 100 replacing each number
      which is divisible by 3 as "Multiple of 3"
      which is divisible by 5 as "Multiple of 5"
      which is divisible by 3 and 5 as "Multiple of 15"