Sheet#1

Question 1:
Write a python program to input an alphabet and check whether it is vowel or consonant.

Note: Vowel alphabets are: {a, e, o, u, i}
All other alphabets are consonant

Question 2:
Write a python program that prompts the user to input a number. The program should then output this number and a message saying whether it is even or odd.

Question 3:
Write a python program to input a character from user and check whether the given character is alphabet, digit or special character.

Question 4:
Write a python program that prompts the user to input a number. The program should then output this number and a message saying whether it is positive, negative, or zero.

Question 5:
Write a python program of a four-function calculator. The program should ask the user to enter a number, an operator, and another number. It should then carry out the specified arithmetical operation: adding, subtracting, multiplying, or dividing the two numbers.

Question 6:
Write a python program that will prompt the user to input 5 integer values to be stored in a list.

Question 7:
Write a python program that print the values of a list.

Question 8:
Write a python program that print the values of a list in a reverse order.

Question 9:
Write a python program that will prompt the user to input a list of 5 integer values. Then it print their summation and average.

Question 10:
Write a python program that will prompt the user to input a list of 5 integer values. Then it print the summation and average of its contained even numbers.

Question 11:
Write a python program that will prompt the user to input a list of 5 integer values. Then it print its maximum and minimum values.

Question 12:
Write a python program that will prompt the user to input a list of 5 integer values. Then it ask the user to enter a number to check whether or not this number is found in the list or not.

Question 13:
Write a python program that will prompt the user to input an index of a list to print its value.

Question 14:
Write a python program that will prompt the user to input a list of 5 integer values. Then it count the number of occurrence of the given number in such list.

Question 15:
Write a python program that merge two lists.

Question 16:
Write a python program that will prompt the user to input a list of 5 integer values. Then it splits the list into two lists; the first will contains even numbers while the other will contain odd numbers.

Question 17:

Write a python program that asks the user to enter an integer number then it prints its factorial

Note: factorial(n) = n*(n-1)*(n-2)*(n-3)*(n-4).......*3*2*1

Question 18:

Write a python program that asks the user to enter two integer numbers, a and b, then it prints a power b

Note: a power b=   a *a *a .... (b times)