Introduction to Python

Case Study

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1. Write a program which will find factors of given number and find whether the factor is even or odd.

   Hint: Use Loop with if-else statements

2. Write a code which accepts a sequence of words as input and prints the words in a sequence after sorting them alphabetically.

   Hint: In case of input data being supplied to the question, it should be assumed to be a console input.

3. Write a program, which will find all the numbers between 1000 and 3000 (both included) such that each digit of a number is an even number. The numbers obtained should be printed in a comma separated sequence on a single line.

   Hint: In case of input data being supplied to the question, it should be assumed to be a console input. Divide each digit with 2 and verify is it even or not.

4. Write a program that accepts a sentence and calculate the number of letters and digits.

Suppose if the entered string is: Python0325

Then the output will be:

LETTERS: 6

DIGITS:4

Hint: Use built-in functions of string.

5. Design a code which will find the given number is Palindrome number or not.

Hint: Use built-in functions of string.