Assignment on List, Tuples. Dictionary

1) Create a list of strings. Write a Python program which creates another list from the first taking the first character from each word.

2) Write a Python program that prompts the user to enter an alphabet. Print all the words in the list that starts with that alphabet.

3) Write a Python program to implement user-defines stack.

4) Write a program in Python to do slicing in all possible ways with all possible parameters, providing positive and negative values for step. Also, perform slicing from start and end both.

5) Write a Python program to count the elements in a list until an element is a tuple.

6) Write a Python program that displays information about an employee. Use nested dictionary to do this task.

7) Create a dictionary of products purchased and their MRPs. Calculate the bill and display to the customer.

8) Write a program that has a dictionary of your friends' name (as keys) and their birthdays. Print the items in the dictionary in a sorted order. Prompt the user to enter a name and check if it is present in the dictionary. If the name does not exist, then ask the user to enter DOB. Add the details in the dictionary.