Dictionary Assignment 1

**Note:** Dictionary for all the questions,

student\_grade = {'Alice': 85, 'Bob': 90, 'Charlie': 78}

Q1: Write a Python program to create a dictionary named student\_grades with the following key-value pairs: 'Alice': 85, 'Bob': 90, 'Charlie': 78 and also print the dictionary.

Q2: Write a Python program to access and print the grade of 'Bob' from the given dictionary.

Sample Output: 90

Q3: Write a Python program to add a new student 'David' with a grade of 92 to the given dictionary and print it.

Output: {'Alice': 85, 'Bob': 90, 'Charlie': 78, 'David': 92}

Q4: Write a Python program to update the grade of 'Charlie' to 80 in the given dictionary and print the dictionary.

Output: {'Alice': 85, 'Bob': 90, 'Charlie': 80, 'David': 92}

Q5: Write a Python program to delete the student 'David' from the given dictionary using the del keyword, also print the updated dictionary.

Output: {'Alice': 85, 'Bob': 90, 'Charlie': 80}

Q6: Write a Python program to check if the key 'Eve' is present in the given dictionary, if not then print “Eve is not present in the dictionary”.

Q7: Write a Python program to print all the student names in the given dictionary.

Output:

Alice

Bob

Charlie

Q8: Write a Python program to print all the grades in the given dictionary.

Output:

85

90

80

Q9: Write a Python program to print all key-value pairs in the given dictionary in the format “Student: Grade”.

Output:

Alice: 85

Bob: 90

Charlie: 80

Q10: Write a Python program to clear all elements from the given dictionary.

Q11. Write a python program to count, how many key-value pairs are present in the dictionary by traversing on the given dictionary.

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Q12.  Write a Python program to check if a dictionary is empty or not.

D = {}

Output: True

Q13. Write a Python program to access dictionary key's element by index (user input).

student\_grade = {'Alice': 85, 'Bob': 90, 'Charlie': 78}

Sample Input: 2

Expected Output: bob