**Experiment – 2.2(a)**

**Student Name: Milan Sharma UID: 23MAI10003**

**Branch: ME – CSE - AIML Section/Group: MAI – 1 (A)**

**Semester: 1st Date of Performance: 11 Oct 2023**

**Subject Name: Python Programming Subject Code: 23 CSH 623**

1. **Aim of the Experiment :**

Write a python program to create a dictionary.

1. **Objective of the Experiment :**

To create a dictionary.

1. **Algorithm/ Steps for Experiment**

In Python, a dictionary is an unordered sequence of data entries that can be used to record data entries in the same way that a map can.. Following are the ways of creating a dictionary.

1.        A dictionary with some elements

2.         A Dictionary with keys of different data types

3.         An empty Dictionary

4.         A Dictionary using in-built dict() method

5. A dictionary by key:value pair format

**Code for Experiment :**

Dictionary = {1: 'Java', 2: 'Python', 3: 'C++'}

print("\nDictionary created using curly braces: ")

print(Dictionary)

Dictionary = {'Website': 'milansharma.me', 3: [2, 3, 5, 'Dictionary']}

print("\nDictionary with keys of multiple data type: ")

print(Dictionary)

Dictionary = {}

print("\nAn empty Dictionary: ")

print(Dictionary)

Dictionary = dict({1: 'Python', 2: 'Javatpoint', 3:'Dictionary'})

print("\nDictionary created by using dict() method: ")

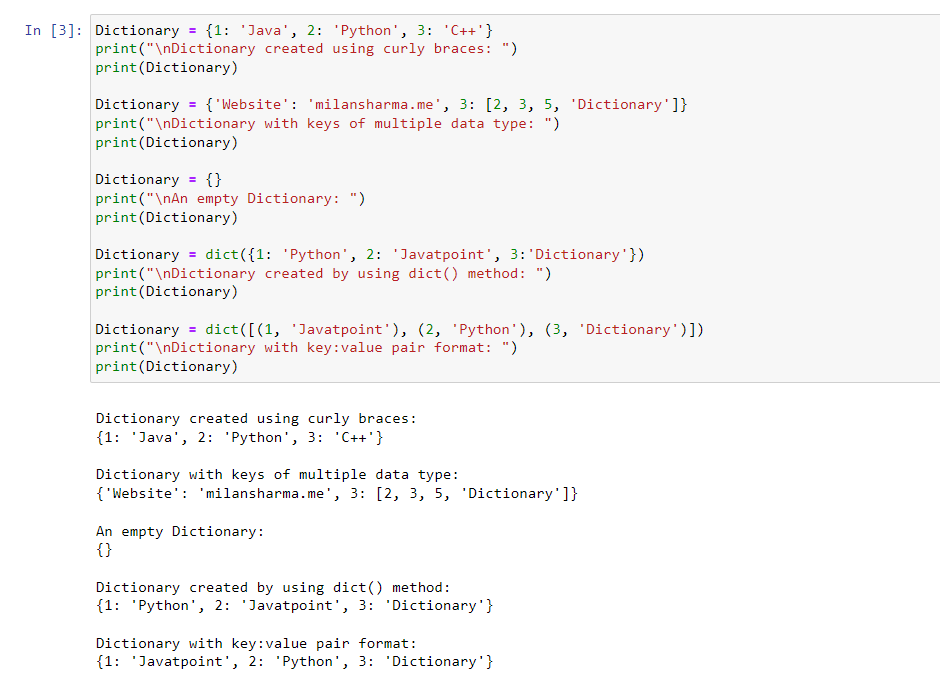
print(Dictionary)

Dictionary = dict([(1, 'Javatpoint'), (2, 'Python'), (3, 'Dictionary')])

print("\nDictionary with key:value pair format: ")

print(Dictionary)

**Result/Output :**

****