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Python - Collections, Functions And Modules In Python Batch – 10\_june\_Python;

**Module – 7**

**7. Working with Dictionaries**

**Q1]. Iterating over a dictionary using loops.**

**▪ Iterating over a dictionary using loops**

**for key in my\_dict:**

**print(key, my\_dict[key])**

**# or using items()**

**for k, v in my\_dict.items():**

**print(k, v)**

**Q2]. Merging two lists into a dictionary using loops or zip().**

**▪ Merging two lists into a dictionary using loops or zip()**

**Using zip():**

**keys = ["a", "b", "c"]**

**values = [1, 2, 3]**

**new\_dict = dict(zip(keys, values))**

**Using loop:**

**new\_dict = {}**

**for i in range(len(keys)):**

**new\_dict[keys[i]] = values[i]**

**Q3]. Counting occurrences of characters in a string using dictionaries.**

**▪ Counting occurrences of characters in a string using dictionaries**

**text = "banana"**

**freq = {}**

**for char in text:**

**if char in freq:**

**freq[char] += 1**

**else:**

**freq[char] = 1**