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

**Module – 7**

**6. Dictionaries Theory:**

**Q1]. Introduction to dictionaries: key-value pairs.**

**▪ Introduction to dictionaries: key-value pairs**

**A dictionary is an unordered, mutable collection of items. Each item consists of a key and a value.**

**my\_dict = {"name": "Alice", "age": 25}**

**Q2]. Accessing, adding, updating, and deleting dictionary elements.**

**Accessing, adding, updating, and deleting dictionary elements**

**Accessing:**

**print(my\_dict["name"]) # Alice**

**Adding:**

**my\_dict["city"] = "New York"**

**Updating:**

**my\_dict["age"] = 30**

**Deleting:**

**del my\_dict["city"]**

**Q3]. Dictionary methods like keys(), values(), and items().**

**Dictionary methods: keys(), values(), and items()**

**keys(): Returns all keys**

**my\_dict.keys()**

**values(): Returns all values**

**my\_dict.values()**

**items(): Returns key-value pairs as tuples**

**my\_dict.items()**