1.What is dict in python?

Python's efficient key/value hash table structure is called a "dict". The contents of a dict can be written as a series of key:value pairs within braces { }, e.g. dict = {key1:value1, key2:value2, ... }.

2. Types of dict in python?

There are 5 different types of specialized dictionaries in python. They all are present in collections module.

**defaultdict**: as the name says, we can give a default value for the currently nonexisting key.

**OrderedDict**: keys ordering are guaranteed (based on insertion order)

1. **Counter**: calculate frequency of items. The item must be able to be a key in a dictionary (hashable).
2. **ChainMap**: a way to group together different dictionaries, order matters
3. **UserDict**: base class to create a custom dictionary

3.What is slicing in dict in python?

Slicing a dictionary means obtaining the subsets of the dictionary using the key-value pairs.