

Unit-5

Assignment

1). What is dictionary in Python? Explain with an example?

A). Python dictionary is used to store the data in a key value pair format. The dictionary is the data type in Python, which can simulate the real life data arrangement where some specific value exists for some particular key. It is the mutable data-structure. The dictionary is defined into element keys and values.

* Keys must be single element.

* Value can be any type such as list, tuple, integer, etc.

In other words, we can say that a dictionary is the collection of key-value pairs where the value can be any Python object. In contrast, the keys are the immutable Python object, i.e., Numbers, string, or tuple.

Creating the dictionary

The dictionary can be created by using multiple key value pairs enclosed with the curly brackets {}, and each key is separated from its value by the colon (:). The syntax to define the dictionary is given below.

Syntax:

```
Dict = {"Name": "Jungkook", "Age": 22}
```

In the above dictionary Dict, the keys Name and Age are the string that is an immutable object.

Let's See an example to create a dictionary and
print its content

```
Employee = {"Name": "John", "Age": 29, "Salary": 25000,  
            "Company": "GOOGLE"}
```

```
Print(type(Employee))
```

```
Print("printing Employee data--")
```

```
Print(Employee)
```

O/P: <class 'dict'>

Printing Employee data--

```
{'Name': 'John', 'Age': 29, 'Salary': 25000, 'Company': 'GOOGLE'}
```