

## ASSIGNMENT UNIT 05

DATE:01-07-2020

1)What is a dictionary in python?Explain with example

a) **Dictionary** in Python is an unordered collection of data values, used to store data values like a map, which unlike other Data Types that hold only a single value as an element, Dictionary holds key -value pair. Key value is provided in the dictionary to make it more optimized.

Example:

```
d={1:"abc",2:"efg",3:"ijk"}
```

2)What is a dictionary in python?Explain with example

a) **Dictionary** in Python is an unordered collection of data values, used to store data values like a map, which unlike other Data Types that hold only a single value as an element, Dictionary holds key -value pair. Key value is provided in the dictionary to make it more optimized.

Example:

```
d={1:"Surya",2:"B"3:"gitam"}
```

3)Write a python program to sum all the items in a list

a)lst = []

```
num = int(input('Number of elements in the list: '))
```

```
for n in range(num):
```

```
    numbers = int(input('Enter number '))
```

```
    lst.append(numbers)
```

```
print("Sum of elements in given list is :", sum(lst))
```

Output:

Number of elements in the list: 5

Enter number 12

Enter number 13

Enter number 14

Enter number 15

Enter number 16

Sum of elements in given list is : 70

4)Write a python program to create a list of empty dictionaries

```
a)n=int(input("enter n : "))
```

```
l=[{} for l in range(n)]
```

```
print(l)
```

Output:

```
enter n : 2
```

```
[{}, {}]
```

5)Write a python program to access dictionary keys element by index

```
a)num = {'python': 80, 'math': 90, 'java': 86}
```

```
print(list(num)[0])
```

Output:

```
python
```