



How to access data from the dictionary?

We can access data by using keys.

```
d={100:'durga' ,200:'ravi', 300:'shiva'}
print(d[100]) #durga
print(d[300]) #shiva
```

If the specified key is not available then we will get KeyError

```
print(d[400]) # KeyError: 400
```

We can prevent this by checking whether key is already available or not by using `has_key()` function or by using `in` operator.

`d.has_key(400) ==>` returns 1 if key is available otherwise returns 0

But `has_key()` function is available only in Python 2 but not in Python 3. Hence compulsory we have to use `in` operator.

```
if 400 in d:
    print(d[400])
```

Q. Write a program to enter name and percentage marks in a dictionary and display information on the screen

```
1) rec={}
2) n=int(input("Enter number of students: "))
3) i=1
4) while i <=n:
5)     name=input("Enter Student Name: ")
6)     marks=input("Enter % of Marks of Student: ")
7)     rec[name]=marks
8)     i=i+1
9) print("Name of Student", "\t", "% of marks")
10) for x in rec:
11)     print("\t",x, "\t\t", rec[x])
12)
13) Output
14) D:\Python_classes>py test.py
15) Enter number of students: 3
16) Enter Student Name: durga
17) Enter % of Marks of Student: 60%
18) Enter Student Name: ravi
19) Enter % of Marks of Student: 70%
20) Enter Student Name: shiva
```