

Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32

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```
d={"id":4654,'name':'surya',101:102}
```

```
type(d)
```

```
<class 'dict'>
```

```
len(d)
```

```
3
```

```
d1=d.copy()
```

```
d1
```

```
{'id': 4654, 'name': 'surya', 101: 102}
```

```
d1.clear()
```

```
d1
```

```
{}
```

```
d
```

```
{'id': 4654, 'name': 'surya', 101: 102}
```

```
d.items()
```

```
dict_items([('id', 4654), ('name', 'surya'), (101, 102)])
```

```
d.keys()
```

```
dict_keys(['id', 'name', 101])
```

```
type(d.keys())
```

```
<class 'dict_keys'>
```

```
d.values()
```

```
dict_values([4654, 'surya', 102])
```

```
d.get(101)
```

```
102
```

```
d.get(id)
```

```
d.get('id')
```

```
4654
```

```
d.get('location')
```

```
d['id']
```

```
4654
```

```
d[101]
```

```
102
```

```
d["location"]
```

```
Traceback (most recent call last):
```

```
File "<pyshell#18>", line 1, in <module>
```

```
    d["location"]
```

```
KeyError: 'location'
```

```
d1=d.copy()
```

```
d1
```

```

{'id': 4654, 'name': 'surya', 101: 102}
d
{'id': 4654, 'name': 'surya', 101: 102}
d1
{'id': 4654, 'name': 'surya', 101: 102}
d.popitem()
(101, 102)
d1.pop(101)
102
d1
{'id': 4654, 'name': 'surya'}
d
{'id': 4654, 'name': 'surya'}
d1.pop("location")
Traceback (most recent call last):
  File "<pyshell#27>", line 1, in <module>
    d1.pop("location")
KeyError: 'location'
d
{'id': 4654, 'name': 'surya'}
d
1
1
d
{'id': 4654, 'name': 'surya'}
d1
{'id': 4654, 'name': 'surya'}
d.setdefault('id')
4654
d.setdefault('location')
d
{'id': 4654, 'name': 'surya', 'location': None}
d.get('location')='vja'
SyntaxError: cannot assign to function call here. Maybe you meant '==' instead
of '='?
d['location']='vja'
d
{'id': 4654, 'name': 'surya', 'location': 'vja'}
type(d['name'

```

SyntaxError: incomplete input

```
type(d['name'])
```

```
<class 'str'>
```

```
d
```

```
{'id': 4654, 'name': 'surya', 'location': 'vja'}
```

```
d.setdefault('gender')
```

```
d
```

```
{'id': 4654, 'name': 'surya', 'location': 'vja', 'gender': None}
```

```
d['gender']='male'
```

```
d
```

```
{'id': 4654, 'name': 'surya', 'location': 'vja', 'gender': 'male'}
```

```
type(d.get('gender'))
```

```
Traceback (most recent call last):
```

```
File "<pyshell#45>", line 1, in <module>
```

```
    type(d.get('gender'))
```

```
TypeError: 'builtin_function_or_method' object is not subscriptable
```

```
type(d.get('gender'))
```

```
<class 'str'>
```

```
d.update({"cgpa":2})
```

```
d
```

```
{'id': 4654, 'name': 'surya', 'location': 'vja', 'gender': 'male', 'cgpa': 2}
```

```
d.update({"name":"klu","maritalstatus":True})
```

```
d
```

```
{'id': 4654, 'name': 'klu', 'location': 'vja', 'gender': 'male', 'cgpa': 2, 'maritalstatus': True}
```

```
>>> d
```

```
...
```

```
{'id': 4654, 'name': 'klu', 'location': 'vja', 'gender': 'male', 'cgpa': 2, 'maritalstatus': True}
```

```
>>> len(d)
```

```
...
```

```
6
```

```
>>> d.keys()
```

```
...
```

```
dict_keys(['id', 'name', 'location', 'gender', 'cgpa', 'maritalstatus'])
```

```
>>> d.setdefault('cgpa')
```

```
...
```

```
2
```