

```
#single line comment
'''multi
line
comment'''

➡ 'multi\nline \ncomment'
```

```
#type casting
a = 5
b = float(a)
print(b)
print(type(b))

➡ 5.0
   <class 'float'>
```

```
a = 5
b = str(a)
print(b)
print(type(b))

➡ 5
   <class 'str'>
```

```
a = True
b = float(a)
print(b)
print(type(b))

➡ 1.0
   <class 'float'>
```

```
l = [1,4,2,7]
s = str(l)
print(s)
print(type(s))

➡ [1, 4, 2, 7]
   <class 'str'>
```

```
print(s[0])

➡ [
```

```
l = (1,4,2,7)
s = str(l)
print(s)
print(type(s))

➡ (1, 4, 2, 7)
   <class 'str'>
```

```
l = {1,4,2,7}
s = str(l)
print(s)
print(type(s))

➡ {1, 2, 4, 7}
   <class 'str'>
```

```
l = {1:'c',2:'c++',3:'python'}
s = str(l)
print(s)
print(type(s))

➡ {1: 'c', 2: 'c++', 3: 'python'}
   <class 'str'>
```

```
l = {1:'c',2:'c++',3:'python'}
s = list(l)
```

```
print(s)
print(type(s))
```

```
↩ [1, 2, 3]
  <class 'list'>
```

```
# list(a)
# tuple(a)
# str(a)
# bool(a)
# int(a)
# float(a)
# dict(a)
# set(a)
```

```
# string as a input
```

```
name = input('enter your name')
print('my name is ',name)
```

```
↩ -----
KeyboardInterrupt                                Traceback (most recent call last)
<ipython-input-40-c8fc0075d1fb> in <cell line: 0>()
      1 # string as a input
      2
----> 3 name = input('enter your name')
      4 print('my name is ',name)

----- 1 frames -----
/usr/local/lib/python3.11/dist-packages/ipykernel/kernelbase.py in _input_request(self, prompt, ident, parent, password)
    1217         except KeyboardInterrupt:
    1218             # re-raise KeyboardInterrupt, to truncate traceback
-> 1219             raise KeyboardInterrupt("Interrupted by user") from None
    1220         except Exception:
    1221             self.log.warning("Invalid Message:", exc_info=True)

KeyboardInterrupt: Interrupted by user
```

```
n = int(input('enter your number'))
print('my number is ',n)
```

```
n = float(input('enter your cgpa'))
print('my cgpa is ',n)
```

```
l = list(map(int,input('enter marks : ').split('1')))
print(l)
```

```
l = tuple(map(int,input('enter marks : ').split('1')))
print(l)
```

```
↩ enter marks : 23156178190
  (23, 56, 78, 90)
```

```
l = set(map(int,input('enter marks : ').split(' ')))
print(l)
```

```
↩ enter marks : 1 2 5 4 2
  {1, 2, 4, 5}
```

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