In [ ]:
```
# data type conversions
# eval
# input
# end
# sep
# format
```

In [ ]:
```
10.5 ===> int string
```

In [1]:
```
type(10.5)
```

Out[1]:
```
float
```

In [2]:
```
str(50.1)
```

Out[2]:
```
'50.1'
```

In [4]:
```
print(int(10.5))
print(str(10.5))
print(bool(10.5))
print(complex(10.5))
```

```
10
10.5
True
(10.5+0j)
```

In [5]:
```
bool(0)
```

Out[5]:
```
False
```

In [6]:
```
print(float(10))
print(str(10))
print(bool(10))
print(complex(10))
```

```
10.0
10
True
(10+0j)
```

In [7]:
```
print(float(-10))
print(str(-10))
print(bool(-10))
print(complex(-10))
```

```
-10.0
-10
True
(-10+0j)
```

In [8]:
```
print(float(0))
print(str(0))
print(bool(0))
print(complex(0))
```

```
0.0
0
False
0j
```

In [9]:
```
print(float("10"))
print(str('10'))
print(bool("10"))
print(complex("10"))
```

```
10.0
10
True
(10+0j)
```

In [10]:
```
int('10.5')#spl case
# it is a string
# inside quotes "<number>", "<english>"
#number what is the basic type of the number
#number is float

int('10')
int('10.5')
float('10')
float('10.5')
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Cell In[10], line 1
----> 1 int('10.5')#spl case
      2 # it is a string
      3 # inside quotes "<number>", "<english>"
      4 #number what is the basic type of the number
      5 #number is float
      7 int('10')

ValueError: invalid literal for int() with base 10: '10.5'
```

In [11]:
```
a=200
type(200)
```

Out[11]:
```
int
```

In [12]:
```
a=input()
type(a)
```

```
100
```

Out[12]:
```
str
```

In [16]:
```
bill_amt= eval(input('Enter a bill amt: '))
tip=eval(input('Enter the tip: '))
tip_amt=(bill_amt*tip)/100
total_bill=bill_amt+tip_amt
print(f'The total amount is {total_bill} ')
```

```
Enter a bill amt: 5600
Enter the tip: 56
The total amount is 8736.0
```

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: