avg of 3 num

In [4]:
```
a=10
b=20
c=30
avg=(a+b+c)/3
print(avg)
```

```
20.0
```

In [5]:
```
print(type(a))
print(type(b))
print(type(c))
print(type(avg))
```

```
<class 'int'>
<class 'int'>
<class 'int'>
<class 'float'>
```

multiclation of 3 num

In [7]:
```
a=10
b=20
c=a*b
print(c)
print(type(c))
print(type(a))
print(type(b))
```

```
200
<class 'int'>
<class 'int'>
<class 'int'>
```

addition of three num dynamic

In [15]:
```
a=int(input("enter the num"))
b=int(input("enter the num"))
c=int(input("enter the num"))
d=a+b+c
print(d)
print(type(d))
```

```
enter the num10
enter the num20
enter the num30
60
<class 'int'>
```

type conversions

into float

In [17]:
```
a=10
print(type(a))
b=float(a)
print(b)
print(type(b))
```

```
<class 'int'>
10.0
<class 'float'>
```

float into string

In [23]:
```
a=10.5
print(type(a))
b=str(a)
print(b)
print(type(b))
```

```
<class 'float'>
10.5
<class 'str'>
```

string to boolean

In [31]:
```
a="10"
print(type(a))
b=bool(a)
c=int(a)
print(b)
print(c)
print(type(b))
```

```
<class 'str'>
True
10
<class 'bool'>
```

convert int to boolean

In [29]:
```
a=10
print(type(a))
b=bool(a)
print(b)
print(type(b))
```

```
<class 'int'>
True
<class 'bool'>
```

boolean type

In [33]:
```
a=10
b=20
c=b>a
print(c)
print(type(c))
```

```
True
<class 'bool'>
```

boolean to int

In [34]:
```
a=10
b=20
c=b>a
print(c)
print(type(c))
d=int(bool(c))
print(d)
print(type(d))
```

```
True
<class 'bool'>
1
<class 'int'>
```

boolean to float

In [35]:
```
a=10
b=20
c=b>a
print(c)
print(type(c))
d=float(bool(c))
print(d)
print(type(d))
```

```
True
<class 'bool'>
1.0
<class 'float'>
```

boolean to string

In [37]:
```
a=10
b=20
c=b>a
print(c)
print(type(c))
d=str(bool(c))
print(d)
print(type(d))
```

```
True
<class 'bool'>
True
<class 'str'>
```

complex data type

complex to int ¶

In [41]:
```
a=2+5j
print(type(a))
b=int(a)
## complex to int is not possible
c=str(a)
print(c)
```

```
<class 'complex'>

---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_4548/3116797667.py in <module>
      1 a=2+5j
      2 print(type(a))
----> 3 b=int(a)
      4 ## complex to int is not possible
      5 c=str(a)

TypeError: can't convert complex to int
```

In [ ]: