Data types

1. Integers
2. Floating point numbers
3. Strings
4. list

In [1]:
```
sales = 'high'
print(sales)
sales = 100
print(sales)
```

```
high
100
```

c code

main() { .....; .....; .

. do_not_execute_anything() }

python

add() subtract() ...

.. do_not_execute_anything()

In [7]:
```
print('python')
```

```
python
```

Writing a function

In [3]:
```
def add_two_number():
    a = 10
    b = 10
    sum_of_a_and_b = a + b
    print(sum_of_a_and_b)
```

In [4]:
```
add_two_number()
```

```
20
```

In [5]:
```
add_two_number()
```

```
20
```

In [8]:
```
def better_add_two_number(a, b):
    sum_of_a_and_b = a + b
    print(sum_of_a_and_b)
```

In [9]:
```
better_add_two_number(10,30)
```

```
40
```

In [10]:
```
better_add_two_number(10,40)
```

```
50
```

In [11]:
```
def better_add_two_number(a, b):
    sum_of_a_and_b = a + b
    return sum_of_a_and_b
```

In [12]:
```
total_sales = better_add_two_number(100, 200)
```

In [13]:
```
print(total_sales)
```

```
300
```

In [14]:
```
def square_number(a):
    square_of_a = a * a
    print(square_of_a)
```

In [15]:
```
square_number(6)
```

```
36
```

In [16]:
```
def sum_of_square(a, b):
    c = a * a
    d = b * b
    sos = c + d
    return sos
```

In [30]:
```
def area_of_circle(r):
    pi = 3.14
    r_square = r * r
    area_of_circle = pi * r_square
    print(area_of_circle)
```

In [ ]:
```
def area_of_rectrangle(r):
    H =
```

In [33]:
```
area_of_circle(7)
```

```
153.86
```

In [27]:
```
3.14 * 7 * 7
```

Out[27]: 153.86

In [34]:
```
amount = 100
```

In [35]:
```
amount
```

Out[35]: 100

In [36]:
```
print(sales)
```

```
100
```

In [17]:
```
sum_of_square(2, 3)
```

Out[17]: 13

In [18]:
```
2 + 3
```

Out[18]: 5

In [19]:
```
2 - 3
```

Out[19]: -1

In [20]:
```
2 * 2
```

Out[20]: 4

In [21]:
```
2 / 3
```

Out[21]: 0.6666666666666666

In [22]:
```
5 / 2
```

Out[22]: 2.5

In [23]:
```
5 % 2
```

Out[23]: 1

In [24]:
```
5 // 2
```

Out[24]: 2

In [38]:
```
vikas = 1
```

In [39]:
```
print(vikas)
```

```
1
```