

0 to Hero in python(Beginner to Advance)

February 21, 2022

0.0.1 Basics in Python

```
[1]: # strings are written in double ""  
      #print will show the output what we input in the double qotes  
      print("Hello world")
```

Hello world

```
[2]: # lets print hello coders  
  
      print (" Hello Coders")
```

Hello Coders

```
[3]: #lets print Muhammad Sardar Daud Khan  
  
      print(" Hey my name is Muhammad Sardar Duad khan. its my first code, and i want_  
      ↳to be on advance level")
```

Hey my name is Muhammad Sardar Duad khan. its my first code, and i want to be on advance level

```
[4]: #now i will print int. floats and  
      #then i will assign different value to them  
  
      print("20")#string  
      print(20)#int.  
      print(0.454)#float  
  
      #we can do sum,multiply and divide in python too  
      A = 34  
      B = 23  
      print(A+B)  
  
      C = 24  
      D = 2
```

```
Z = C + D
print(Z)
#same as we can apply in other arithmetic operations
```

```
20
20
0.454
57
26
```

```
[5]: #input funtion storing in variable
```

```
input("what is your name?")
```

```
what is your name?khan
```

```
[5]: 'khan'
```

```
[6]: name = input("what is your name?")
```

```
what is your name?khan
```

```
[7]: print("Hello" + name)
```

```
Hellokhan
```

```
[8]: old_age = input("enter your old age:")
```

```
int(old_age)
new_age = int(old_age) + 2
print(new_age)
```

```
enter your old age:34
36
```

0.0.2 conversion

```
[9]: first = input("enter your first number")
second = input("enter your second number")
```

```
sum = first + second
print(sum)
```

```
#its concatinating because first and second are strigs format
```

```
enter your first number3
enter your second number4
```

34

```
[10]: first = input("enter your first number")
      second = input("enter your second number")

      sum = int(first) + int(second)
      print(sum)

      #now it will give sum
```

```
enter your first number2
enter your second number3
5
```

0.0.3 To Make it look Good more

```
[11]: first = input("enter your first number")
      second = input("enter your second number")

      sum = int(first) + int(second)
      print("The sum is: " + str(sum))
```

```
enter your first number3
enter your second number3
The sum is: 6
```

0.0.4 Special thing in python(upper,lower)

```
[12]: name = "Tony stark"
      name.upper()
```

```
[12]: 'TONY STARK'
```

```
[13]: name = "Tony stark"
      name.lower()
```

```
[13]: 'tony stark'
```

```
[14]: print(name.upper())
      print(name)
```

```
TONY STARK
Tony stark
```

0.0.5 find operation .find

```
[15]: name = "Tony khan"
      print(name.find('T'))
      #its on index 0

      print(name.find('k'))
```

0
5

0.0.6 Replace function .replace

```
[16]: name = "Tony khan"
      print(name.replace("Tony khan", "iron man"))
      print(name.replace("T", "M"))
```

iron man
Mony khan

0.0.7 finding index of words

```
[17]: name = "Tony khan"

      print(name.find("khan"))
```

5

0.0.8 boolean

```
[18]: name = "khan"
      print("k" in name)
      #boolean return
```

True

```
[19]: name = "khan"
      print("b" in name)
```

False

0.0.9 Arithmetic Operators

```
[20]: print(5/2)  
      #will show float
```

2.5

```
[21]: print(2*10)
```

20

0.0.10 Removing after decimal

```
[22]: print(5//2)  
      #it will remove the rest of digit after decimal
```

2

0.0.11 reminder operator

```
[23]: print(5%2)  
      #its reminder operator
```

1

```
[24]: i = 5  
      i = i + 2  
      print(i)
```

7

0.0.12 operating preceeding multiply operator is first priority

```
[25]: result = 2+3*5  
      print(result)
```

17

```
[26]: result = 2+4 /5  
      print(result)
```

2.8

0.0.13 Comparison operator boolean value

```
[27]: print(3>2)
```

True

```
[28]: print(3 == 2)  
      # equal to equal to
```

False

```
[29]: print(3 != 2)  
      #! not value reverse
```

True

0.0.14 Logical operator or

```
[30]: print(2>3 or 2>1)
```

True

0.0.15 and

```
[31]: print(3>2. and 2>3)
```

False

0.0.16 not

```
[32]: print(not 2>3)
```

True

0.0.17 Conditions if else statment

```
[33]: age = 19  
      if age >= 18:  
          print("your are an adult")  
          print("you can vote")
```

your are an adult
you can vote

```
[34]: age = 19
      if age >= 18:
          print("your are an adult")
          print("you can vote")

      print("thank you")
```

your are an adult
you can vote
thank you

```
[35]: age = 16
      if age >= 18:
          print("your are an adult")
          print("you can vote")

      print("thank you")
      #condition not true
```

thank you

```
[36]: #elif

      age = 10
      if age >= 18:
          print("your are an adult")
          print("you can vote")
      elif age < 18 and age >3:
          print("you are in school")

      print("thank you")
```

you are in school
thank you

```
[37]: #else

      age = 2
      if age >= 18:
          print("your are an adult")
          print("you can vote")
      elif age < 18 and age >3:
          print("you are in school")
      else:
          print("you are a baby")

      print("thank you")
```

you are a baby
thank you