

SC

January 28, 2022

1 Data Type

```
[4]: a=5.7
```

```
[5]: print(type(a))
```

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

```
[6]: f=7.6
```

```
[7]: a="hello"
```

```
[8]: print(type(a))
```

```
<class 'str'>
```

2 Operator

```
[9]: 2**3    *** is exponent
```

```
[9]: 8
```

```
[10]: 3**3
```

```
[10]: 27
```

```
[11]: 9/2
```

```
[11]: 4.5
```

```
[12]: 9//2
```

```
[12]: 4
```

```
[13]: # 66-- and 66-- or
```

3 Conditional Statement

```
[19]: if condition :  
        statement1  
        statement2  
else:  
        statement1  
        statement2
```

```
-----  
NameError                                Traceback (most recent call last)  
<ipython-input-19-b859e38ebb27> in <module>  
----> 1 if condition :  
      2     statement1  
      3     statement2  
      4 else:  
      5     statement1  
  
NameError: name 'condition' is not defined
```

```
[17]: x=int(input("enter anu number"))
```

```
type(x)
```

enter anu number5

```
[17]: int
```

```
[19]: n=int(input("enter a number"))  
if n>0:  
    print("positive",n)  
else:  
    print("negative")
```

enter a number-7

negative

```
[21]: number=int(input("enter a number"))  
if number==0:  
    print("zero")  
else:  
    if number>0:  
        print("positive")  
    else:  
        print("negative")
```

enter a number8

positive

```
[24]: number=int(input("enter a number"))
      if number==0:
          print("zero")
      elif number>0:
          print("positive")
      else:
          print("negative")
```

enter a number7
positive

4 Loop

```
[30]: for i in range(1,10,2):
      print(i)
```

1
3
5
7
9

```
[31]: i=0
      while i<10:
          print(i)
          i=i+1
```

0
1
2
3
4
5
6
7
8
9

5 HEADING

```
[32]: li=[3,2.5,"hello"]
```

```
[33]: print(li)
```

[3, 2.5, 'hello']

```
[34]: n=[4,7,2]
```

[36]: `n[1]`

[36]: 7

[]: