

# Day1 -Data Science MAsters

February 4, 2023

[16]: a=10

[17]: a

[17]: 10

```
[20]: ## Comments  
## for single we use ##  
## this is a function  
# this is a comment  
a=20  
a
```

[20]: 20

```
[23]: """  
Example of multiline comments  
hello this is a example of python  
dsfsdfdfdsf  
dfdsfdfsdfdsf  
dfdsfdfsdf  
"""  
a=20  
a
```

[23]: 20

## 1 hello

### 1.1 hello1

#### 1.1.1 hello2

1. hello guys how are you

### 1.1.2 Numbers

```
[26]: 1+3
```

```
[26]: 4
```

```
[27]: print(1+3)
```

```
4
```

```
[29]: a=5  
      print(a)
```

```
5
```

```
[33]: print("hello world my name is krish i work in \n PW skills and ineuron")
```

```
hello world my name is krish i work in  
PW skills and ineuron
```

### 1.2 Variables Assignment

```
[34]: name="Krish"  
      company="PWskills and ineuron"
```

```
[45]: type("sfdffdsdf")
```

```
[45]: str
```

```
[46]: type(name)
```

```
[46]: str
```

```
[ ]:
```

```
[39]: name="Bala"
```

```
[40]: name
```

```
[40]: 'Bala'
```

```
[36]: company
```

```
[36]: 'PWskills and ineuron'
```

```
[37]: number=10
```

```
[47]: type(number)
```

[47]: int

```
[41]: number=20  
number
```

[41]: 20

```
[48]: decimal_num=2.5
```

```
[49]: decimal_num
```

[49]: 2.5

```
[50]: type(decimal_num)
```

[50]: float

```
[51]: type("hello")
```

[51]: str

```
[54]: type(1+2j)
```

[54]: complex

```
[55]: print('hello')  
print("hello")
```

hello

hello

```
[ ]: ##bad way  
## dont start the variable name with numbers  
1a  
3answer
```

```
[56]: number1=23
```

```
[59]: ## Variables are case senssitive  
company='ineuron'  
Company='PWSKILLS'  
print(company)  
print(Company)
```

ineuron

PWSKILLS

```
[ ]: ## Reserved keywords  
'''  
int,float,len,complex,bool,str,return,yield  
'''
```

```
[ ]: float=32
```

```
[61]: ##Boolean  
True
```

```
[61]: True
```

```
[62]: False
```

```
[62]: False
```

```
[63]: True and False
```

```
[63]: False
```

```
[64]: True or False
```

```
[64]: True
```

```
[67]: not True
```

```
[67]: False
```

```
[69]: type(not False)
```

```
[69]: bool
```

```
[77]: ## Typecasting  
bool(0)
```

```
[77]: False
```

```
[78]: str(23)
```

```
[78]: '23'
```

```
[79]: int('23')
```

```
[79]: 23
```

```
[80]: type(int('23'))
```

```
[71]: bool(1)
```

```
[76]: a=1
      if bool(a)==True:
          print("True")
```

```
[85]: int('123')
```

### 1.2.1 Dynamic Typing

```
[82]: a=12
      str1="Krissh"
      a="var"
```

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

```
[86]: int(1.54)
```

```
[87]: ## concatenation between different types
```

```
[90]: int("1") + "1"
```

```

TypeError                                Traceback (most recent call last)
Cell In[90], line 1
----> 1 int("1") + "1"

TypeError: unsupported operand type(s) for +: 'int' and 'str'

```

```
[92]: "1" * 100
```

[illegible]

[ ]:

[ ]:

[ ]:

[ ]: