basic-datatypes

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```
[3]: #flosting
     y=10.5
     print(type(y))
```

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

basic data type in python integer floating point complex(it has both real and imaginary value) boolean string string

```
[2]: #integer
     y=9
     print(type(y))
```

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

```
[4]: #complex
     z=3+4j
     print(type(z))
```

```
<class 'complex'>
```

```
[5]: y=10
     print(y)
```

```
10
```

```
[6]: z=float(10)
     print(z)
```

```
10.0
```

```
[8]: #boolean ---True/False
     y=True
     print(type(y))
```

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

```
[9]: z=5<3
     print(z)
```

```
type(z)
```

False

[9]: bool

[11]:
```
z=10>2
print(z)
type(z)
```

True

[11]: bool

[12]:
```
#string
mystring= "machine learning"
print(mystring)
type(mystring)
```

machine learning

[12]: str

[14]:
```
print("abi"*10)
```

abiabiabiabiabiabiabiabiabiabi

[15]:
```
#slicing
mystring="AbiramiElumalai"
print(mystring[2:5])
```

ira

[16]:
```
print(mystring[0:11:2])
```

Aiailm

[17]:
```
print(mystring[2:14:3])
```

imla

[20]:
```
wd1="Abirami"
wd2=" Elumalai"
sum=wd1+wd2
print(sum)
```

Abirami Elumalai

[ ]: