1_python basic

August 22, 2023

[1]:
```
1+2
```

[1]:
```
3
```

[2]:
```
print("Hello Smily!")
```

```
Hello Smily!
```

[3]:
```
a=10
```

[4]:
```
a
```

[4]:
```
10
```

[6]:
```
type(a)
```

[6]:
```
int
```

[7]:
```
b=10.5
```

[9]:
```
type(b)
```

[9]:
```
float
```

[10]:
```
c="Smily"
```

[11]:
```
type(c)
```

[11]:
```
str
```

[12]:
```
c1='Single quotes'
```

[14]:
```
type(c1)
```

[14]:
```
str
```

[15]:
```
d=True #boolean
```

[16]:
```
True-False
```

[16]:
```
1
```

[17]:
```
True*False
```

[17]:
```
0
```

[18]:
```
True / False
```

```
---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
Cell In[18], line 1
----> 1 True / False

ZeroDivisionError: division by zero
```

[19]:
```
e=1+2j
```

[21]:
```
type(e)
```

[21]:
```
complex
```

[22]:
```
e1=1+2i
```

```
  Cell In[22], line 1
    e1=1+2i
         ^
SyntaxError: invalid decimal literal
```

[23]:
```
e
```

[23]:
```
(1+2j)
```

[24]:
```
e.real
```

[24]:
```
1.0
```

[26]:
```
e.imag
```

[26]:
```
2.0
```

[27]:
```
"""Multi
Line
Comments"""
```

[27]:
```
'Multi\nLine\nComments'
```

[1]:
```
a=10
```

[2]:
```
s='smily'
```

[3]:
```
a+s
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[3], line 1
----> 1 a+s

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

[4]:
```
str(a)+s
```

[4]:
```
'10smily'
```

[ ]:

[ ]: