Untitled

November 29, 2023

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

[1]:
```
3
```

[2]:
```
a=10
```

[3]:
```
a
```

[3]:
```
10
```

[4]:
```
sudh=324335235
```

[5]:
```
sudh
```

[5]:
```
324335235
```

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

[6]:
```
int
```

[7]:
```
s="pwskills"
```

[8]:
```
type(s)
```

[8]:
```
str
```

[23]:
```
s
```

[23]:
```
'pwskills'
```

[24]:
```
s1='this is my first python lecture'
```

[25]:
```
s1
```

[25]:
```
'this is my first python lecture'
```

[26]:
```
type(s)
```

[26]: str

[27]:
```
f=456.676
```

[28]:
```
type(f)
```

[28]: float

[29]:
```
c=5+6j
```

[30]:
```
type(c)
```

[30]: complex

[31]:
```
c.real
```

[31]: 5.0

[32]:
```
c.imag
```

[32]: 6.0

[33]:
```
b=True
```

[34]:
```
type(b)
```

[34]: bool

[3]:
```
b1=False
```

[4]:
```
type(b1)
```

[4]: bool

[5]:
```
a1=45
a2=34
```

[6]:
```
a1+a2
```

[6]: 79

[7]:
```
a1*a2
```

[7]: 1530

[8]:
```
a1/a2
```

[8]:
```
1.3235294117647058
```

[9]:
```
a1
```

[9]:
```
45
```

[11]:
```
a2
```

[11]:
```
34
```

[12]:
```
a,b,c,d=354,"sudh",34.34,True
```

[13]:
```
a
```

[13]:
```
354
```

[14]:
```
b
```

[14]:
```
'sudh'
```

[15]:
```
c
```

[15]:
```
34.34
```

[16]:
```
d
```

[16]:
```
True
```

[17]:
```
@h=3543
```

```
  Cell In[17], line 1
    @h=3543
     ^
SyntaxError: invalid syntax. Maybe you meant '==' or ':=' instead of '='?
```

[18]:
```
_a=34
```

[19]:
```
-b=234
```

```
  Cell In[19], line 1
    -b=234
    ^
SyntaxError: cannot assign to expression here. Maybe you meant '==' instead of␣
 ↪'='?
```

[21]:
```
b1+b1
```

[21]: 0

[22]:
```
b1-b1
```

[22]: 0

[23]:
```
b1*b1
```

[23]: 0

[24]:
```
b1/b2
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[24], line 1
----> 1 b1/b2

NameError: name 'b2' is not defined
```

[25]:
```
s1='my name is Aditi kulshrestha'
```

[26]:
```
s1
```

[26]: 'my name is Aditi kulshrestha'

[27]:
```
type(s1)
```

[27]: str

[28]:
```
s2="this is my first python class for data science master's"
```

[29]:
```
s2
```

[29]: "this is my first python class for data science master's"

[30]:
```
this is my code to create a string variable with quotes

s3='this is my first python class for data science master"s'
```

```
  Cell In[30], line 1
    this is my code to create a string variable with quotes
               ^
```

```
SyntaxError: invalid syntax
```

[31]:
```
this is my first python class
i am trying to learn variables declaration
so far i have learnt int,boolean,string,complex number,float variable␣
 ↪declaration
```

```
  Cell In[31], line 1
    this is my first python class
               ^
SyntaxError: invalid syntax
```

[32]:
```
s2
```

[32]:
```
"this is my first python class for data science master's"
```

[ ]:
```
```

[33]:
```
'''this is my first python class
i am trying to learn variables declaration
so far i have learnt int,boolean,string,complex number,float variable␣
 ↪declaration'''
a=10
```

[33]:
```
'this is my first python class\ni am trying to learn variables declaration\nso
far i have learnt int,boolean,string,complex number,float variable declaration'
```

[34]:
```
s1="sudh"
```

[35]:
```
a=10
```

[36]:
```
s1+a
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[36], line 1
----> 1 s1+a

TypeError: can only concatenate str (not "int") to str
```

[37]:
```
a
```

[37]:
```
10
```

[38]:
```
type(a)
```

[38]:
```
int
```

[39]:
```
str(a)
```

[39]:
```
'10'
```

[40]:
```
'10'
```

[40]:
```
'10'
```

[41]:
```
s1+" "+str(10)
```

[41]:
```
'sudh 10'
```

[42]:
```
b=str(a)
```

[43]:
```
b
```

[43]:
```
'10'
```

[44]:
```
int(b)
```

[44]:
```
10
```

[45]:
```
a=453253
```

[ ]:
```
b=input()
```

[1]:
```
b
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[1], line 1
----> 1 b

NameError: name 'b' is not defined
```

[2]:
```
a=45253
```

[ ]:
```
b=bool(input())
```

[3]:
```
type(b)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[3], line 1
----> 1 type(b)

NameError: name 'b' is not defined
```

[4]:
```
g=float(input())
```

```
---------------------------------------------------------------------------
KeyboardInterrupt                         Traceback (most recent call last)
Cell In[4], line 1
----> 1 d=float(input())

File /opt/conda/lib/python3.10/site-packages/ipykernel/kernelbase.py:1175, in␣
 ↪Kernel.raw_input(self, prompt)
   1171 if not self._allow_stdin:
   1172     raise StdinNotImplementedError(
   1173         "raw_input was called, but this frontend does not support input␣
 ↪requests."
   1174     )
-> 1175 return self._input_request(
   1176     str(prompt),
   1177     self._parent_ident["shell"],
   1178     self.get_parent("shell"),
   1179     password=False,
   1180 )

File /opt/conda/lib/python3.10/site-packages/ipykernel/kernelbase.py:1217, in␣
 ↪Kernel._input_request(self, prompt, ident, parent, password)
   1214             break
   1215 except KeyboardInterrupt:
   1216     # re-raise KeyboardInterrupt, to truncate traceback
-> 1217     raise KeyboardInterrupt("Interrupted by user") from None
   1218 except Exception:
   1219     self.log.warning("Invalid Message:", exc_info=True)

KeyboardInterrupt: Interrupted by user
```

[ ]:
```
g
```

[5]:
```
s1="pwskills"
```

[ ]:
```
s1
```

[6]:
```
type(s1)
```

[6]:
```
str
```

[7]:
```
s1
```

[7]:
```
'pwskills'
```

[8]:
```
s1[0:1]
```

[8]:
```
'p'
```

[9]:
```
s1[0:2]
```

[9]:
```
'pw'
```

[10]:
```
s1[2:7]
```

[10]:
```
'skill'
```

[11]:
```
s1[2:800]
```

[11]:
```
'skills'
```

[12]:
```
s1[2:]
```

[12]:
```
'skills'
```

[13]:
```
s1[0:7:2]
```

[13]:
```
'psil'
```

[13]:
```
s1[0:7:2]
```

[13]:
```
'psil'
```