variables

June 4, 2023

[1]:
```
#variables are data which is provided by we in single variable e.g given below
```

[3]:
```
a= 1
```

[17]:
```
a
```

[17]:
```
1
```

[13]:
```
type(a)
```

[13]:
```
int
```

[10]:
```
b= "shanker"
```

[11]:
```
b
```

[11]:
```
'shanker'
```

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

[14]:
```
str
```

[15]:
```
c= 2.25
```

[16]:
```
type(c)
```

[16]:
```
float
```

[19]:
```
d = True
```

[20]:
```
type(d) # boolian variable are true and false
```

[20]:
```
bool
```

[21]:
```
e= 5+4j
```

[22]:
```
e
```

[22]:
```
(5+4j)
```

[23]:
```
type(e) # 5 is real no. and 4j is imaginary no.
```

[23]:
```
complex
```

[24]:
```
e.imag
```

[24]:
```
4.0
```

[25]:
```
e.real
```

[25]:
```
5.0
```

[26]:
```
45 = 8 # variable not be used as numeric no. as well as alphanumeric no,
```

```
  Cell In[26], line 1
    45 = 8
    ^
SyntaxError: cannot assign to literal here. Maybe you meant '==' instead of '='
```

[28]:
```
45gh = 10 # alphanumeric no.
```

```
  Cell In[28], line 1
    45gh = 10
     ^
SyntaxError: invalid decimal literal
```

[29]:
```
-a = 45 # not usable
```

```
  Cell In[29], line 1
    -a = 45
    ^
SyntaxError: cannot assign to expression here. Maybe you meant '==' instead of␣
 ↪'='?
```

[30]:
```
_a = 45
```

[32]:
```
_a
```

[32]:
```
45
```

[ ]: