

Data types

1)

int - 1 0 -5 18 -6666

float - 5.3 3.555 555.9999

double same as float (in python)

2)

2.1) 1 0 (also can be used true and false where 1 is true and 0 is false)

2.2) in case of adding 2 false we will get 0(false)

in case there are true and false we will get 1(true)

in case they both are true we get 2(true)

3)

```
typ.py x
ex > typ.py > ...
1 i = 5
2 f = 5.5
3 b = True
4 s = "Ashot & Faizan"
5
6 c = float(i)
7 print(c)
8 c = bool(i)
9 print(c)
10 c = str(i)
11 print(c)
12 print("-----")
13 c = int(f)
14 print(c)
15 c = bool(f)
16 print(c)
17 c = str(f)
18 print(c)
19 print("-----")
```

typ.py

×

ex > typ.py > ...

```
18 print(c)
19 print("-----")
20 c = int(b)
21 print(c)
22 c = float(b)
23 print(c)
24 c = str(b)
25 print(c)
26 print("-----")
27 # c = int(s) not possible
28 # print(c)
29 # c = float(s) not possible
30 # print(c)
31 c = bool(s)
32 print(c)
33
34
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

● (amsryan@kali) - [~/Desktop/ex]
\$ python types.py

```
5.0
True
5
-----
5
True
5.5
-----
1
1.0
True
-----
True
```

○ (amsryan@kali) - [~/Desktop/ex]
\$

String

```
typ.py  strings.py X
ex > strings.py > ...
1  notes = "Cucumber, Please remember to buuy the following things: \
2  Fish, Shell Polish, Fish, Slippers."
3
4  print(f"len of notes is {len(notes)}")
5  i = notes.find("buuy")
6  if (i != -1):
7      notes = notes[0:i] + "buy" + notes[i + 4:] #4 is len of 'buuy'
8
9  i = notes.find("Fish,")
10 if (i != -1):
11     notes = notes[0:i] + notes[i+6:] #6 is len of 'Fish, '
12
13 i = notes.find("Cucumber, ")
14 if (i != -1):
15     notes = notes[:i-1] + ","
16     notes = notes[len("Cucumber, "):] + " Cucumber."
17 i = notes.find("Shell Polish,")
18 notes = notes[:i-1] + "\n\t" + notes[i:]
19 i = notes.find("Fish,")
20 notes = notes[:i-1] + "\n\t" + notes[i:]
21 i = notes.find("Slippers")
22 notes = notes[:i-1] + "\n\t" + notes[i:]
23 i = notes.find("Cucumber.")
24 notes = notes[:i-1] + "\n\t" + notes[i:]
25 print(notes)
26 print(f"len of notes is {len(notes)}") #it changed as we deleted Fish

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
● L$ python strings.py
len of notes is 91
Please remember to buy the following things:
    Shell Polish,
    Fish,
    Slippers,
    Cucumber.
len of notes is 88

(amsryan@kali) - [~/Desktop/ex]
```