logical_test

August 29, 2021

```
[8]: a = input("Enter your fav number: ")

     Enter your fav number: 99.9999
```

```
[2]: a
```

```
[2]: '23.45'
```

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

```
[3]: str
```

```
[5]: float(a) * 10
```

```
[5]: 234.5
```

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

```
    ␣
   ↪---------------------------------------------------------------------------

        ValueError                                Traceback (most recent call␣
    ↪last)

        <ipython-input-6-8b2ab3991dae> in <module>
    ----> 1 int(a)


        ValueError: invalid literal for int() with base 10: '23.45'
```

```
[9]: # number -> Float -> Integer
     #int(number) removes the digits after the decimal
     int(float(a))
```

```
[9]: 99
```

```
[ ]:  #logical statement (Test)
      #True False
```

```
[11]:  12 > 34
```

```
[11]:  False
```

```
[12]:  23 > 12
```

```
[12]:  True
```

```
[13]:  23 > 23
```

```
[13]:  False
```

```
[14]:  23 >= 23
```

```
[14]:  True
```

```
[15]:  23 < 12
```

```
[15]:  False
```

```
[16]:  12 < 23
```

```
[16]:  True
```

```
[17]:  12 <= 23
```

```
[17]:  True
```

```
[19]:  23 == 23
```

```
[19]:  True
```

```
[28]:  hitesh = 12
       hitesh == 12
```

```
[28]:  True
```

```
[30]:  int("12") == 12
```

```
[30]:  True
```

```
[33]:  a124 = 12
       lt = a124 == 14
       print(lt)
```

```
False
```

[34]: `12 != 14`

[34]: True

[35]: `12 != 12`

[35]: False

[36]: `"Tejas" == "tejas"`

[36]: False

[37]: `"Tejas" != "tejasvi"`

[37]: True

[38]: `# < <= > >= == !=`

[40]: `tejas = "Tejas"`

[41]: `tejas == "Tejas"`

[41]: True

[42]: `"abc" > "abd"`

[42]: False

[43]: `"af" > "aaaaz"`

[43]: True

[ ]: `#Conditional statement`

[47]:
```python
if 12 > 11:
    print("Hello Hitesh")
    print("Hello Tejdeep")
    print("Hello Aditi")
```

```
Hello Hitesh
Hello Tejdeep
Hello Aditi
```

[ ]: