Untitled4

March 18, 2023

0.0.1 logical operators

1 1. AND

2 2. OR

3 3. NOT

[3]:
```
True and True
```

[3]:
```
True
```

[5]:
```
True and False
```

[5]:
```
False
```

[6]:
```
True or False
```

[6]:
```
True
```

[32]:
```
### examples of not
```

[14]:
```
START=True
STOP=False
##type 1

print(" The value of START={}".format(START))
print(" The value of STOP={}".format(STOP))

## type 2

print(" The value of START={}".format(START))
print(" The value of STOP={}".format(not START))


## type 3

print(" The value of START={}".format(not START))
```

```
print(" The value of STOP={}".format(STOP))
```

```
The value of START=True
The value of STOP=False
The value of START=True
The value of STOP=False
The value of START=False
The value of STOP=False
```

[21]:
```
(bool(0))
```

[21]:
```
False
```

[23]:
```
not bool(1)
```

[23]:
```
False
```

[27]:
```
int(not(0))
```

[27]:
```
1
```

[31]:
```
START=1
STOP=0

##type1
print(" The value is {}".format(START))
print(" the value is {}".format(STOP))

#type 2

print(" the value is {}".format(START))
print(" the value is {}".format(int(not START)))

## type 3
print(" the value is {}".format(int(not STOP)))
print(" the value is {}".format(STOP))
```

```
The value is 1
the value is 0
the value is 1
the value is 0
the value is 1
the value is 0
```

[49]:
```
zero=0
one=1
```

```
print(" the boolean value of number is {}".format(bool(zero)))
print(" the boolean value of number is {}".format(bool(one)))

print(" the boolean value of number is {} and the other number is {}".
  ↪format(not(zero),not(one)))
```

```
 the boolean value of number is False
 the boolean value of number is True
 the boolean value of number is True and the other number is False
```

[33]:

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