Recap Quizzes

```
a = 5
a = 8
print(a // 3)
```

```
2
```

```
print(bool("abc"))
```

```
True
```

```
print("cat" == "dog")
```

```
False
```

```
print("1" == 1)
```

```
False
```

```
bool("1") == bool(1)
```

```
True
```

```
# Password validator

password = "baby"
pass_input = input()

print(password == pass_input)
```

```
 baby
```

```
True
```

Assignment Operators

- -=
- +=
- /=
- *=

```
# re eval marks

marks = 55
re_eval = int(input())

marks = marks + re_eval
```

```
 5
```

```
marks
```

```
60
```

```
marks = 55
re_eval = 5

marks += re_eval   # same as marks = marks + re_eval

print(marks)
```

```
60
```

```
# quizzes

a = 3
a = a + 3
print(a)
```

```
6
```

```
a = 6
a += 9
print(a)
```

```
15
```

```
a = 6
a -= 9
print(a)
```

```
-3
```

```
a = 3
a *= 4
print(a)
```

```
12
```

```
# id

a = 5

id(a)
```

```
140226119002544
```

```
a = 24
```

```
id(a)
```

```
140226119003152
```

Logical Operators

- and
- or
- not

```
# The ATM code
```

```
# Quiz
```

```
# And
```

```
True and True
```

```
True
```

```
False and True
```

```
False
```

```
False and False
```

```
False
```

```
# Or
```

```
True or True
```

```
True
```

```
False or True
```

```
True
```

```
False or False
```

```
False
```

```
# not
not True
```

```
False
```

```
not False
```

```
True
```

```
3 > 2
```

```
True
```

```
2 < 1
```

```
False
```

```
# Quizzes
print(3 > 1 and -1 < 1)
```

```
True
```

```
print(25 > 50 or 1 != 2)
```

```
True
```

```
(2**2) == 4
```

```
True
```

```
# ATM
cash = int(input())
print(cash == 500  or cash == 1000  or cash == 2000)
```

```
 120
```

```
False
```

```
# Challenge: Pass / Fail
marks = int(input())
print(marks >= 35)
```

```
 45
```

```
True
```

Control Statements

- A Control statement is a Boolean expression that, if True, executes a piece of code.

```
# Weather proof code

# If condition will be executed only and only if condition is True

weather = input()

if weather == "rainy":
    print("Have tea")
    print("Have samosa")

else:
    print("Go out")
```

```
 rainy
```

```
Have tea
Have samosa
```

```
# Take a number as input and find if it is positive

num = int(input())

if num > 0:
    print("Positive")
```

```
 12
```

```
Positive
```

```
# Quiz

x = 5

if x == 5:
```

```
    x = 7

print(x)
```

```
7
```

There are three types of conditional statements in Python:

- if
- if-else
- if-elif-else

```
## Make a password validator

# Quiz

password = "baby"
pass_in = input()

if password == pass_in:
    print("You are logged in!!")

else:
    print("Incorrect password")
    print("Please try again ;)")
```

```
 baby

You are logged in!!
```

```
# Quiz
```

```
# num1 and num2. Find max?

num1 = int(input())
num2 = int(input())
```

```python
if num1 > num2:
    print("Num1 is greater", num1)

else:
    print("Num2 is greater", num2)
```

```
 5
 3

Num1 is greater 5
```

```python
# Doubts

num1 = int(input())
num2 = int(input())

if num1 > num2:
    print("Num1 is greater", num1)


else:
    print("Num2 is greater", num2)

print("Hey Rahul")
print("Hey Madhiha ji")
```

```
 3
 5

Num2 is greater 5
Hey Rahul
Hey Madhiha ji
```

```python
if True:
    print("Rahul")
```

```
Rahul
```