



Python Cheatsheet

Print

```
print('Hello World!')
print(1000)
print(3.14)
print(True)
```

Comments

```
# I'm a comment!

print('Gabby') # I'm also one T.T
```

Variables

```
secret_num = 42          # int
gravity = 9.81            # float
username = '@snoopdogg'  # str
earth_is_flat = False    # bool
```

Arithmetic Operations

```
sum = 23 + 18
difference = 30 - 8
product = 10 * 2.5
quotient = 81 / 9
remainder = 76 % 4
exponent = 2 ** 3
```

User Input

```
username = input('Enter your name: ')
age = int(input('Enter your age: '))
```

String Interpolation

```
print(f'The square of {i} is {i*i}')
```

Control Flow

```
if grade >= 90:
    print('A')
elif grade >= 80:
    print('B')
elif grade >= 70:
    print('C')
else:
    print('D')
```

Relational Operators

```
a == b # equal to
a != b # not equal to
a > b  # greater than
a < b  # less than
a >= b # greater than or equal to
a <= b # less than or equal to
```

Random Number

```
import random

num = random.randint(1, 9)
```

Logical Operators

```
a and b # True if both are true
a or b  # True if at least one is True
not a   # True if a is false
```

Loops

```
# While loop
while coffee < 1:
    print('Tired of Python ☹️')

# For loop
for i in range(10):
    print(i)
```

