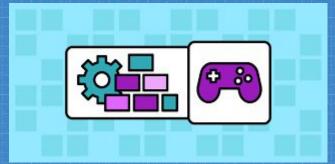
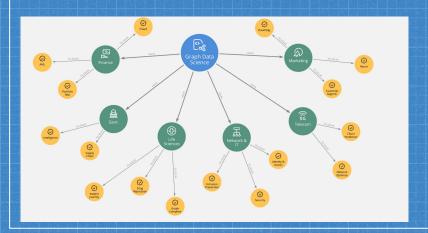
Day 3: Python Intro

1 Application

Web/App/Game Development



Data Science



AI





Automation

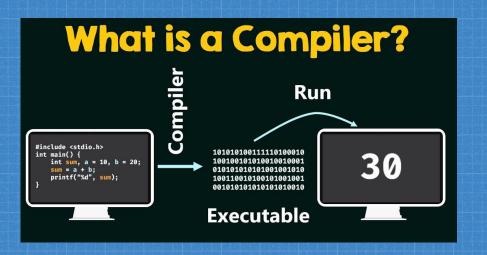


2 How it works



Text to Binary

- Computers understand binary (0s, 1s)
- You must give <u>exact instructions!</u>



3 Setup, Variables, Strings

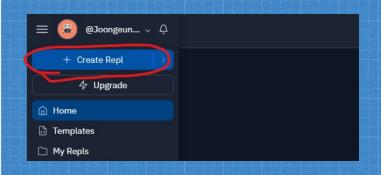


Create a file

1. Go to: replit.com and make a new account



2. Open python file



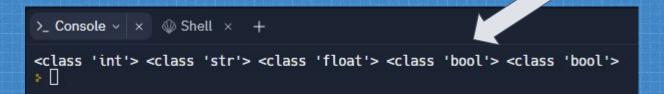


Print



Variables

What is int, str, float, bool??



Data Types

int: integer (-2147483648 through 2147483647)

float: decimal

str (string): text

bool (boolean): True/False

Other types: list, dict, set, etc.

```
Operations
                    Use
                                       What will
                comments!
                                      this print?
   print(4 * 6 + 3) # 27
                             a = 4
                             b = 6
   a = 4
                             c = 3
   b = 6
                             d = 2
   c = 3
                             print(((a * b)/c - c)**d)
   print(a * b + c) # 27
                                      type: float
       type: int
```

11

(from '/')

String Operations/Debugging

```
print(a * b)
```

Error Message:

```
Traceback (most recent call last):
File "main.py", line 22, in <module>
print(a * b)
TypeError: can't multiply sequence by non-int of type 'str'
```

```
#Example 4
a = "3"
b = "6"
print(a + b)
print(a * 10)
```

```
#Example 5
a = 3
b = 4
a = a + b + 1
print(a)
print(b)
```

4 Conditionals



Condition is True

number = 10 if number > 0:

else:

code

code after if

Condition is False

number = -5

if number > 0:

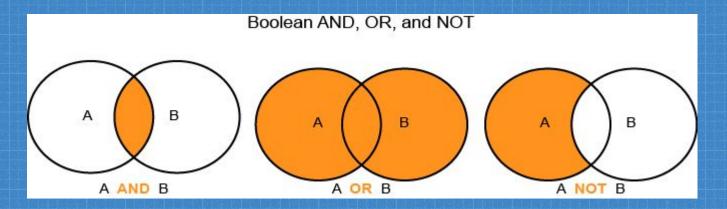
code

else

code

code after if

• and, or, not (boolean operators):



Let's Practice!

https://codingbat.com/python/String-1