Java Programming 2
Python and Java

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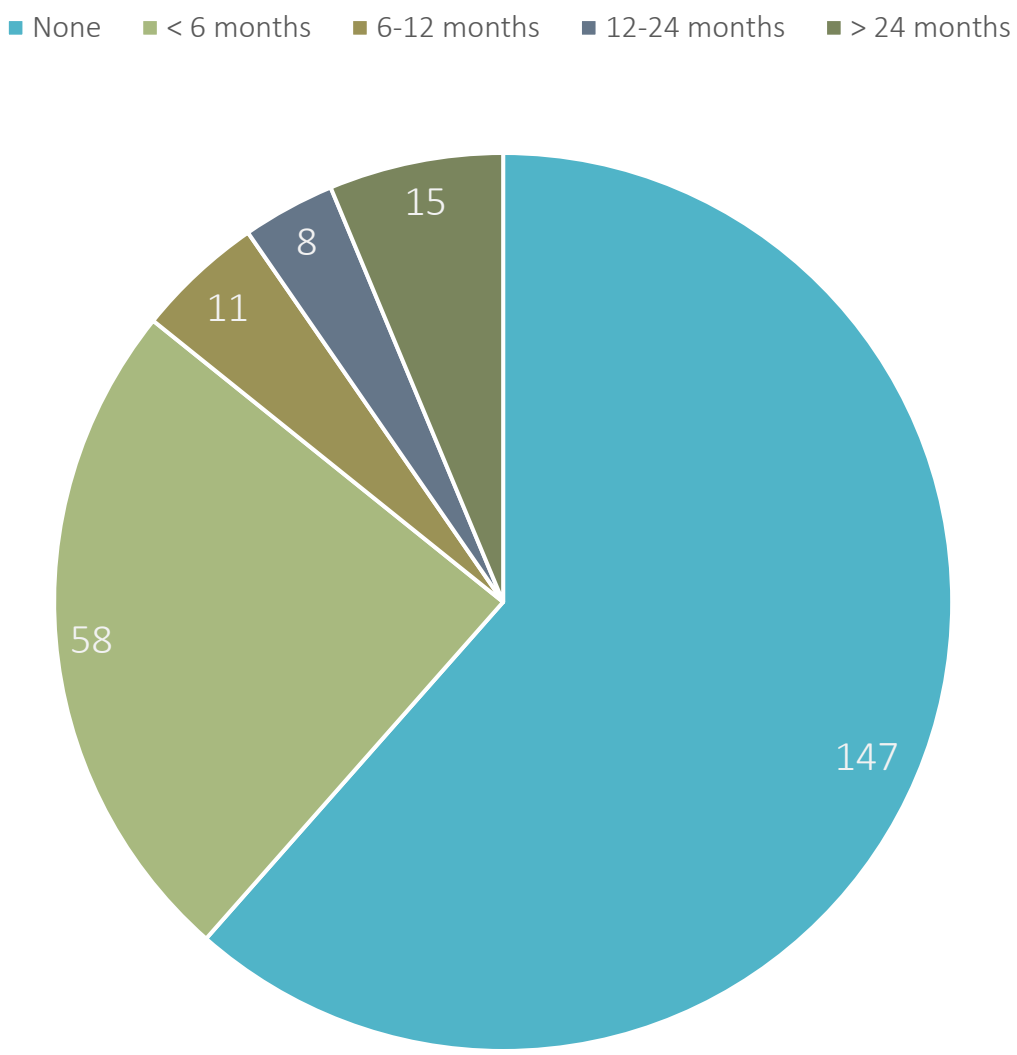
Image: “Fruit juices all in a row” by Catherine Sharman
https://flic.kr/p/ryXAkb

My assumptions (revisited)

You (probably) know Python

You may or may not know Java



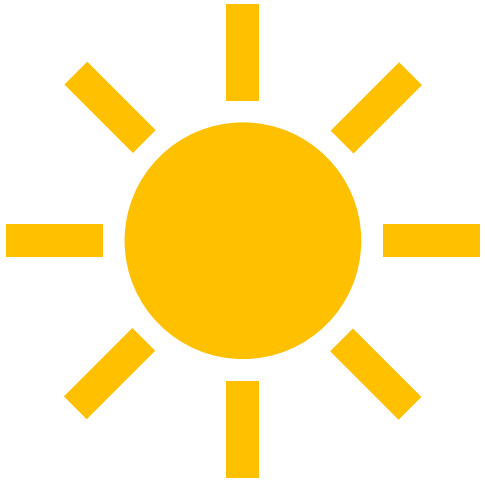
Java experience

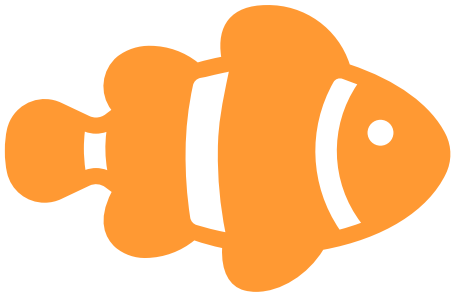
Learning a new human language

"Die Sonne scheint."

"Der Fisch schwimmt."

"das Gift"





Learning a new programming language

```
int i = 5;
int j = 6;
int k = i + j;
```

k == 11

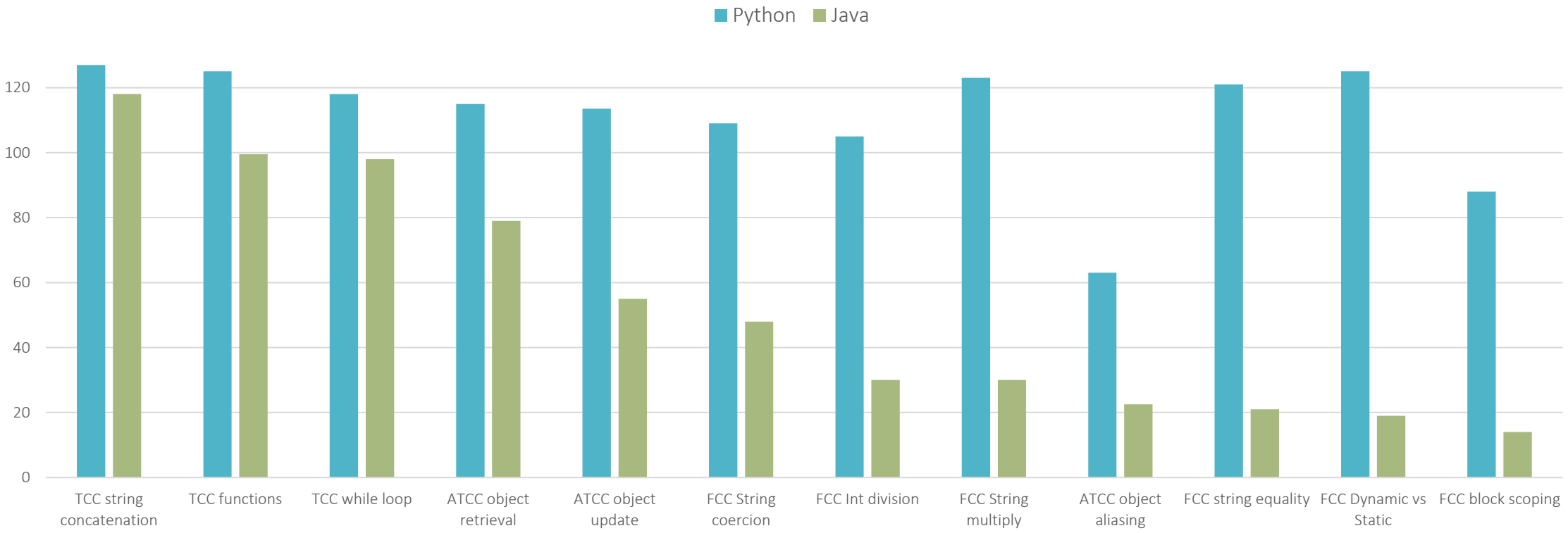
```
System.out.println("hello" * 2);
```

error

```
System.out.println("hello" + 2);
```

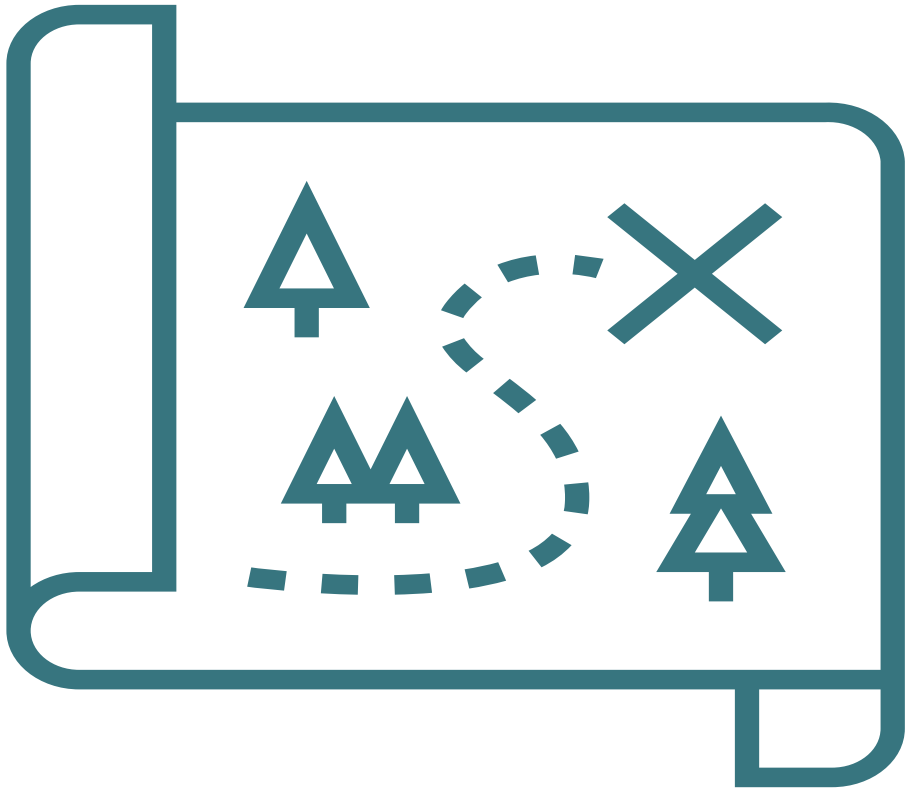
"hello2"

Python and Java concepts from survey



What happened last year in JP2

End of the course:
Students assumed Python worked like Java



Start of the course:
Students assumed Java worked like Python

What you should (hopefully) learn this year

Underlying concepts of computer programming

- Concepts that you already know from Python or other languages (loops, variables, arrays, etc)
- Concepts that may be new (objects, inheritance, exceptions, etc)

How they are expressed in Java

- And Python
- … and hopefully any other languages you might know or might later learn!