

python!

# about us



Kevin



Kim



Nick



Steve

about you!

# about python

- created in 1991 by Guido Van Rossum
- named after Monty Python

# about python

- it's an **interpreted language**
  - not compiled
  - why might this be useful?

used everywhere!



# installing python

- windows
  - download, install from <http://python.org>
  - run **idle** from the start menu
- mac / linux
  - probably already installed!
  - open a terminal and run `python`

our first program

# Hello.java

```
1 public class Hello {  
2     public static void main(String[] args) {  
3         System.out.println("Hello, world!");  
4     }  
5 }
```

# hello.py

```
1 print "Hello, world!"
```

# what's different?

```
1 public class Hello {  
2     public static void main(String[] args) {  
3         System.out.println("Hello, world!");  
4     }  
5 }
```

vs.

```
1 print "Hello, world!"
```

# the `print` statement

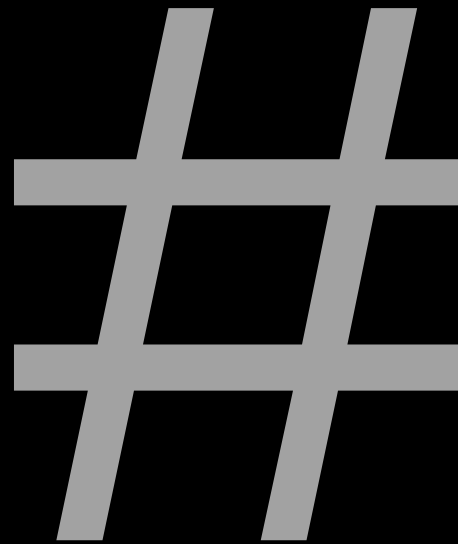
```
print "ni!"      # prints "ni!" on a line  
print           # prints a blank line
```

- escape sequences are the same as in java
- strings can also start/end with single quotes

# swallows.py

```
1 print "Hello, world!"  
2 print  
3 print "Suppose two swallows \"carry\" it together."  
4 print 'African or "European" swallows?'
```

# comments



# swallows2.py

```
1 # Suzy Student, CSE 142, Winter 2099
2 # This program prints important messages.
3 print "Hello, world!"
4 print                # blank line
5 print "Suppose two swallows \"carry\" it together."
6 print 'African or "European" swallows?'
```

# functions

```
def functionName():  
    statement  
    statement  
    ...  
    statement
```

- equivalent to a **static method** in java
- indentation matters!

# exercise

rewrite Figures.java in python

