

(Monty) Python Input

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Comparison

	Java	C++	Python
source code name	.java	.cpp	.py
Object Oriented?	required	optional	optional
output	new Text(" ", , ,) System.out.print()	cout <<	print(" blah, blah")
functions/ methods	methods (bob.hide())	functions (gotoxy(4,3))	functions (str(5))
input	skipped this (complicated)	cin>>	input()

Python Input Command

- Python input command sort of like cout << and cin>> together in C++

- C++ code example

```
cout << "What is your favorite color?";  
cin >> temp;
```

- Python code example

```
temp = input("What is your favorite color?")
```

Python Input Command

- `input("message here")` command write "message here" out to the user (like `cout<<`)
- Then it returns whatever the user types as a **string** until they hit the enter key
- If the `input()` function is used with a variable, then whatever was typed can be saved and reused.
- Some examples....

Python Input Command (cont)

```
>>> input("Hi Everyone")
```

Hi Everyone

```
>>> temp = input("What is your favorite color?")
```

What is your favorite color?green

```
>>> print(temp)
```

green

Python Input Command (cont)

```
>>> temp = input("What is your favorite number? ")
```

```
What is your favorite number? 7
```

```
>>> print(temp)
```

```
7
```

```
>>> print(temp+temp)
```

```
77
```

Lab 4

Write a program that outputs the Happy Birthday song to the screen. Store the strings in 3 different variables as in the previous lab. Ask the user who's bday it is.

Write the song with that person's name.

Example output:

Who's birthday is it? **Fred**

Happy Birthday, to you.

Happy Birthday, to you.

Happy Birthday dear **Fred**,

Happy Birthday, to you.