

Variables

```
message = "Hello python crash course world!"
print(message)
```

```
→ Hello python crash course world!
```

1. Store a message in a variable, and then print that message.
2. Store a message in a variable, and print that message. Then change the value of your variable to a new message, and print the new message.

```
message = "Hello, this is the first message."
print(message)
message = "This is the new message."
print(message)
```

```
→ Hello, this is the first message.
   This is the new message.
```

Working with Strings

```
name = "Eric"
print(f"Hello {name}, How are you?")
```

```
→ Hello Eric, How are you?
```

```
name = "Eric"
print(name.lower())
print(name.upper())
print(name.title())
```

```
→ eric
   ERIC
   Eric
```

Stripping Names

```
name_with_whitespace = "\tJohn Doe\n"
print(name_with_whitespace)
print(name_with_whitespace.lstrip())
print(name_with_whitespace.rstrip())
print(name_with_whitespace.strip())
```

```
→      John Doe
   John Doe
      John Doe
   John Doe
```

Numbers

```
print(5 + 3)
print(10 - 2)
print(4 * 2)
print(16 / 2)
```

```
→ 8
   8
   8
   8.0
```

```
favorite_number = 7
message = f"My favorite number is {favorite_number}."
print(message)
```

➞ My favorite number is 7.

```
import this
```

➞ The Zen of Python, by Tim Peters

```
Beautiful is better than ugly.
Explicit is better than implicit.
Simple is better than complex.
Complex is better than complicated.
Flat is better than nested.
Sparse is better than dense.
Readability counts.
Special cases aren't special enough to break the rules.
Although practicality beats purity.
Errors should never pass silently.
Unless explicitly silenced.
In the face of ambiguity, refuse the temptation to guess.
There should be one-- and preferably only one --obvious way to do it.
Although that way may not be obvious at first unless you're Dutch.
Now is better than never.
Although never is often better than *right* now.
If the implementation is hard to explain, it's a bad idea.
If the implementation is easy to explain, it may be a good idea.
Namespaces are one honking great idea -- let's do more of those!
```