

Variables and Data Types Workshop

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Good Variable Names

```
my_first_variable = "Yes"
```

```
MyFirstVariable = "Fun times"
```

```
myFirstVariable = MyFirstVariable
```

Bad Variable Names

1variable

my first variable

my.first.variable

Case Sensitive

myFirstVariable is not the same as MyFirstVariable

```
print(myFirstVariable)
```

Change myFirstVariable to "I'm an awesome data science student"

#Change myFirstVariable to "MyFirstVariable" - will get an error, move it and try again

Strings

```
StringExample = 'This will work'
```

```
StringExample2 = "This will work"
```

```
StringExample3 = """This
```

```
will
```

```
work"""
```

StringExample4 = 'This won't work'

StringExample5 = "She said, "This will not work.""

Using Escape Characters

```
AddingIndents = "\tIndenting is fun!"
```

```
print(AddingIndents)
```

```
AddingNewLines = "What if I \n had this on two lines?"
```

```
print(AddingNewLines)
```

Numbers

```
DoingMathWithIntegers = 2 + 2
```

```
DoingMathWithFloats = 2.1 + 2.1
```

```
print(DoingMathWithIntegers)
```

```
print(DoingMathWithFloats)
```

```
# Booleans
```

```
Asleep = True
```

```
PassClass = False
```

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