

Python: Making Methods

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Define the Method

- All methods will be stored in a separate *neatosMethods.py* file (similar to a .h file for C++)
- The *neatosMethods.py* file should be in the same folder as your .py file that uses one or more of the *neatosMethods*.
- At the top of your active file use the following command to access your collection of methods (where the name of the file containing your methods is *neatosMethods.py*):

```
from neatosMethods import *;
```

Define the Method (continued)

- Use Happy Birthday song as example.
- Decide the method name – *hB2U()*
- Define the method using the reserved word, **def**

```
def hB2U():
```

```
    print("Happy Bday 2 u,")
```

```
    print("Happy Bday 2 u,")
```

```
    print("Happy Bday dear whoever's-name-is-on-the-screen,")
```

```
    print("Happy Bday 2 u!")
```

Call the Method

- In another .py file (not *neatosMethods.py*) call any method from your *neatosMethods.py* collection.
- Include the following command at the top of the active .py file (like `#include<some.h>` in C++):

```
from neatosMethods import *;
```

- Then, call a homemade method...

```
hB2U()
```

- Or call the method twice and get the song printed out x2:

```
hB2U()
```

```
hB2U()
```

Define the Method (with Parameters)

- What if the user wants to change the name for the Birthday song?
- Add another method to the *neatosMethods.py* file
- Repeat steps except place variable in the parenthesis:

```
def hB2UName(put variable in here):
```

Define the Method (with Parameters continued)

```
def hB2UName(temp):  
    print("Happy Bday 2 u,")  
    print("Happy Bday 2 u,")  
    print("Happy Bday dear ," + temp)  
    print("Happy Bday 2 u!")
```

Note: *temp* is a String

Call the Method (with Parameters)

- In another file that has the following line of code at the top:

```
from neatosMethods import *;
```

- Repeat steps from previous no-parameter case except place a value of the correct type in the parenthesis:

```
joe = "howdy-duty"
```

```
hB2UName(joe)
```

```
// or x2
```

```
hB2UName(joe)
```

```
hB2UName(joe)
```