

```
""" Guido.py
    Illustrates if statement
    Say something nice if the user's name
    is Guido """
```

```
firstName = raw_input("What is your first name? ")
print "Nice to meet you, " + firstName + "."
```

```
if firstName == "Guido":
    print "Hey, thanks for inventing Python!"
```

```
""" GuidoOrNot.py
    Illustrates if - else structure
    Say something nice if the user's name
    is Guido and asks for Guido if user
    enters another name. """

firstName = raw_input("What is your first name? ")
print "Nice to meet you, " + firstName + "."

if firstName == "Guido":
    print "Hey, thanks for inventing Python!"
else:
    print "Have you seen Guido around?"
```

```
""" LinusOrGuido.py
    Illustrates if-elif-else structure
    Checks to see if the user
    has an appropriate open-source name
    """
```

```
firstName = raw_input("Please enter your first name: ")
```

```
if firstName == "Guido":
    print "Thanks for writing Python"
elif firstName == "Linus":
    print "Linux Rocks!"
else:
    print "If you're going to be an open-source star,"
    print "you might need to get a cooler name."
```

```
""" password.py
    Ask the user for a password
    repeat until user gets it right
    or has tried three times """
```

```
keepGoing = True
correct = "Python"
tries = 3
```

```
while keepGoing:
    guess = raw_input("Please enter the password: ")
    tries = tries - 1
```

```
    if guess == correct:
        print "You may proceed"
        keepGoing = False
```

```
    else:
        print "That's not correct."
```

```
    if tries <= 0:
        print "Sorry. You only had three tries"
        keepGoing = False
```

```
    else:
        print "You have %d tries left" % tries
```

```
""" exceptDemo.py """
import sys

keepGoing = True
while keepGoing:
    #begin with the assumption everything went well
    keepGoing = False
    try:
        number = raw_input("please enter a number: ")
        number = int(number)
        print 10 / number

    except ValueError:
        print "not an integer"
        print sys.exc_info()
        keepGoing = True

    except ZeroDivisionError:
        print "can't divide by zero"
        print sys.exc_info()
        keepGoing = True

    except:
        print "Something went wrong"
        print sys.exc_info()
        keepGoing = True
```