# A program that converts an integer between 0 and 1,000 to its English equivalent.
# Easy version.

# Returns the English equivalent of the numbers 0 to 9.
def convert(digit):
    name = ("zero", "one", "two", "three", "four", "five",
            "six", "seven", "eight", "nine")
    return name[int(digit)]

# Obtains the user’s input and farms the work.
def main():
    result = []
    number = raw_input("Please enter an integer between 0 and 1000: ")

    for digit in number:
        result += [convert(digit)]

    result = "-".join(result)

    print "%s is %s." % (number, result)

main()
Local and Global Variables (1)

Listing 8: local-global-variables.py

```python
a = 15  # a is a global variable
# An example showing the difference between local and global variables.

def f1():
    a = 17  # a is a local variable
    print "a(f1):", a
    a = a + 1
    print "a(f1):", a

def f2():
    print "a(f2):", a  # since a is not found locally, global version of a is used
f1()
f2()
print "a:", a  # references the global version of a
```
# This program has an error. Find it and explain why it is in fact an error.

```python
a = 15

def f1():
    a = 17
    print "a(f1):", a

def f2():
    a = a + 10
    print "a(f2):", a

f1()
f2()
print "a:", a
```

Listing 9: local-global-variables2.py