Consider the following Python.

```python
# this is GMN-bad.py
import random

a = raw_input("? ")
b = int(a)
c = raw_input("? ")
d = int(c)
while d < b:
    print "error",
    c = raw_input("? ")
    d = int(c)
e = range(b, d)
f = random.choice(e)
g = raw_input("? ")
h = int(g)
while h != f:
    if h < f:
        print "higher",
        g = raw_input("? ")
        h = int(g)
    else:
        print "lower",
        g = raw_input("? ")
        h = int(g)
```

1. If you can, write one concise English sentence that says what the code does.
2. Can you find blocks of code that look very similar? Circle these blocks.

3. Create a single Python function that represents all of the blocks circled. This function should have a meaningful name, and you should be able to replace each block that you circled by calling the function with appropriate parameters.

4. Rewrite the code with the function definition and appropriate function calls. You should also choose more meaningful variable names. Is it easier now to write a concise English sentence that says what the code does? Can you guess what GMN stands for?