Exercise 1a

In [1]:
```
name = input("What's your name?")
print(f"Hello, {name}!")
```

```
Hello, Colin!
```

Exercise 1b

In [4]:
```
name = input("What's your name?")
print(f"{(name+' ') *3}")
```

```
Colin Colin Colin
```

Exercise 2

In [5]:
```
num1 = float(input("First number?"))
num2 = float(input("Second number?"))
print(f"{num1} + {num2} = {num1+num2}")
print(f"{num1} * {num2} = {num1*num2}")
```

```
5.0 + 3.0 = 8.0
5.0 * 3.0 = 15.0
```

Exercise 3 (see `python_practice_ex3_rev.py` for revision)

In [7]:
```
num = int(input("Input a number"))
print(f"The number preceding {num} is {num-1}.")
print(f"The number following {num} is {num+1}.")
```

```
The number preceding 17 is 16.
The number following 17 is 18.
```

Exercise 4

In [10]:
```
hex_num = "0xABCD"
num = 0
num += (ord(hex_num[2])-65)
for index in range(2,6):
    try: # 0-9
        num += int(hex_num[index]) * (16**(5-index))
    except: # A-F
        num += (ord(hex_num[index])-55) * (16**(5-index))
print(num)
```

```
43981
```

Exercise 5

In [11]:
```
num = int(input("Input a number: "))
if num%2==0:
    print(f"{num} is even")
else:
    print(f"{num} is odd")
```

```
14 is even
```

Exercise 6

In [12]:
```
num = int(input("Input a number: "))
for i in range(1,num+1):
    print("*" * i)
```

```
*
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***
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*****
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*******
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*********
**********
```