Lab 3 Worksheet

Names and netIDs of the group members:

_____ _____

_____ _____

1. Predicting and changing code behavior

Try to figure out the answers **without** writing the code and running the program.

Consider the following program in Python. What will this program print ?

```
available_toppings = ['mushrooms', 'olives', 'green peppers',
        'pepperoni', 'pineapple', 'extra cheese']

requested_toppings = ['mushrooms', 'sausage', 'Olives']

for topping in requested_toppings:
    if topping in available_toppings :
        print ('Adding', topping, '.')
    else:
        print ("Sorry, we don't have", topping, ".")

print("\nFinished making your pizza.\nEnjoy!")
```

2. The code mangler strikes again

This time, the code mangler got to my program and

1. removed all the indentation and
2. sorted the lines in alphabetical order.

```
# determine if cusomer qualifies
else:
else:
# get customer's salary
# get the number of years employed
if salary > min_salary:
if years > min_years_employed:
min_salary = 30000.00
min_years_employed = 2
print ('\nYou must earn at least $', min_salary, ' to qualify.', sep='')
print ('\nYou must have been employed for at least', min_years_employed, 'to qual
ify.')
print ('\nYou qualify for the loan.')
salary = float(input("Enter your annual salary: "))
# This program determines if a customer qualifies for a loan
years = int(input("How many years have you been employed: "))
```

Rewrite the lines of code, so that they form a valid program. Make sure to use proper indentation. (Rewrite the actual code, do not just use line numbers.) You need to use all the lines of the code.

The original program was used to determine if a customer qualifies for a bank loan. To qualify, the customer needs to have an annual income of at least $30,000.00 and they need to be at their current position for at least 2 years.