CSCI 127, Second Practicum – March 28, 2018

Name _____

Question One. 50 points. Supply the missing function. The missing function should return the number of lines that are contained in the file. Assume that the file exists and is located in the same directory as your python program. For example, if the file *question1.txt* contains four lines, this output would be produced: *There are 4 lines in file question_one.txt*

 # The missing function goes here but write it below. Don't change any of the provided code.

file_name = "question_one.txt"
how_many = count_lines(file_name)
print("There are", how_many, "lines in file", file_name)

Question Two. 50 points. Supply the missing code below using good object oriented programming principles that minimize the size of the solution. When the program runs, it should generate the following output:

A Car runs on gas
A Truck runs on gas
A Bicycle runs on pedal power

 # The missing code goes here but write it below. Don't change any of the provided code.

```
def main():
    car = Vehicle("Car")
    print(car)
    truck = Vehicle("Truck")
    print(truck)
    bicycle = Bicycle()
    print(bicycle)

main()
```