

Name Jack Sweeney

04.04 Lists

**This assignment has three parts.**

**Insert your pseudocode here:**

**Background**

- Set my favorite cars Tesla Model X, Aventador, Audi R8, BMW i8, Chevrolet Corvette

**Input**

- Ask for the user's favorite

**Output**

- List my favorite cars after the user tells its favorite car
- Tell the user if we like similar (or tell them we don't like similar cars) cars depending on what the users favorite car

**Part Two: Code the program**

Insert a copy of your code from IDLE here:

#Jack Sweeney 8/4/18

#This lets a user if they like similar cars to Jack and why.

def main():

#Setting my top 5

myFavCars = ["0", "Tesla Model X", "Lamborghini Aventador", "Audi R8", "BMW i8", "Chevrolet Corvette"]

#Asking user for top car

userTopCar = input("Whats your favorite car?")

if( userTopCar == "Tesla Model X" or userTopCar == "Model X" ):

print "You like the Model X Too!, Electric is the way to go"

elif( userTopCar == "Lamborghini Aventador" or userTopCar == "Aventador" ):

print "You like speed too, might be fun but expensive."

elif( userTopCar == "Audi R8" or userTopCar == "R8" ):

print "Not a lambo fan too bad, I know R8s are still fast thats why their on my list."

elif( userTopCar == "BMW i8" or userTopCar == "i8" ):

print "I like the i8 too for the doors and its speed!."

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elif( userTopCar == "Chevrolet Corvette" or userTopCar == "Corvette" ):
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    print "Atleast we both care for speed, but its american made. :{"
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else:
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```
    print "Too bad we don't like similar cars you must not care for speed"
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#### #Printing My Top 5

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print "These are my top 5 cars!"
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for n in range(1, len(myFavCars)):
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    print str(n) + ". " + myFavCars[n]
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```
main()
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#### Part Three: Post Mortem Review

Complete the Post Mortem Review (PMR). Write thoughtful two to three sentence responses to all the questions in the PMR chart.

Review Question	Response
What was the purpose of your program?	The purpose of my program is to ask users what their favorite car is and let them know if it's the same as mine. If the car is the same as one of mine on my list then it will have a custom response to the type of car.
How could your program be useful in the real	My program could be useful in the real world if a

world?	user wanted to know information about a car the person could ask the program. The program could be modified to give information back to the users when asking about a certain car.
What is a problem you ran into, and how did you fix it?	When writing one of the if statements my program stopped working. I fixed this by checking the statement and the Boolean condition equal only had one equals sign I added one.
Describe one thing you would do differently the next time you write a program.	The next time I write a program I'd like to add more types of elements that I've learned. So I'd like to do for and while loops in the same program and more than one list.