**This is your assignment. You need to do it as a group. And you will upload ONE SINGLE FILE PER GROUP.**

**Question 1)**

make a script that asks a user a car name. then searches that car in the car

dictionary and if it finds it among the dictionary keys, it displays its value.ATTENTION: the mark will be given based on shortest form of the script!!

# car = {"toyota": "orange",

# "ford": "red" ,

# "mercedes": "yellow",

# "lexus": "green",

# "ford": "white" ,

# "gmc": "black"}

#

# print(car)

**Question 2)**

create a class called Auto.

give the Auto class a constructor that defines properties for model and cylinder.

create get methods for each of the properties. create methods that start the engine,

accelerate the car and break the car. have the methods return a string that shows

the method was called. create classes for 3 cars of your choice.

Override the start, accelerate, and break methods.

create an output that will show the car's name, model,

and action called.

**Question 3)**

the formula for calculating your maximum heart rate in beats per minute

is 220 minus your age in years. Your target heart rate is a range that is

50-85% of your maximum heart rate.Create a class called Rates.

The class attributes should include the person's first name,last name,

year of birth and the current year. Your class should have a constructor

that receives this data as parameters. For each attribute provide

a property with set and get accessors. the class also should include a

property that calculates and returns the person's age (in years), a property

that calculates and returns the person's maximum heart rate and properties

that calculate and return the person's minimum and maximum target heart rates.

Write an app that prompts for the person's information, instantiates an object

of class Rates and displays the information from that object, including

the person's first name, last name, and year of birth. then calculates and displays

the person's age in years, maximum heart rate and target-heart-rate range.