A screenshot of a computer program

Description automatically generated

* Summary: Here, I have taken the Car Class and book class .We can Initialize the car object with the given make, model, year and a mileage. It prints the car’s make model. year and mileage. It Initializes a Book object with the given title, author, year, and price. Then, prints the book's title, author, year, and price. It applies a discount to the book's price based on the given percentage and prints a message. The code demonstrates object-oriented programming concepts with the Car and Book classes. The classes have well-defined attributes and methods to represent and manipulate their respective objects. The output shows that the code correctly initializes and modifies the objects' properties. The apply\_ discount method effectively applies a discount to the book's price

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Summary: Here, I have written three functions which consist of how to calculate the area of a rectangle?

Using Spyder, We have to take two arguments: length and width and after calculating the area of the rectangle by multiplying length and width.

How to check if the number is prime?

Then, take argument as [n] to check if the number is prime or not. If it’s, return is true it is prime or false. If n is divisible by any number, its not prime.

How to count the occurrences of each character in a string?

Take argument as [s] , after counting the occurrences of each character in a string and store the counts in a dictionary ,where the keys are character and the values are their respective ones