

## CODE:

```
# Vehicle Information Platform
```

```
# Dictionary with vehicle information
```

```
vehicles = {  
    "Honda Activa": {"type": "two-wheeler", "fuel": "petrol", "emission": "non-eco"},  
    "Toyota Innova": {"type": "four-wheeler", "fuel": "diesel", "emission": "non-eco"},  
    "Tata Nexon EV": {"type": "four-wheeler", "fuel": "electric", "emission": "eco"},  
}
```

```
def get_vehicle_info(vehicle_name):
```

```
    """Return vehicle information."""
```

```
    return vehicles.get(vehicle_name, "Vehicle not found.")
```

```
def get_maintenance_schedule(vehicle_type):
```

```
    """Return maintenance schedule."""
```

```
    if vehicle_type == "two-wheeler":
```

```
        return "Oil change every 2,000 km, tire pressure check every month."
```

```
    elif vehicle_type == "four-wheeler":
```

```
        return "Oil change every 5,000 km, tire pressure check every 2 months."
```

```
def get_eco_friendly_vehicles():
```

```
    """Return eco-friendly vehicle options."""
```

```
    eco_vehicles = [vehicle for vehicle, info in vehicles.items() if info["emission"] == "eco"]
```

```
    return eco_vehicles
```

```
def main():
```

```
print("Vehicle Information Platform")

while True:

    print("1. Get vehicle info")
    print("2. Get maintenance schedule")
    print("3. Get eco-friendly vehicles")
    print("4. Exit")

    choice = input("Enter your choice: ")

    if choice == "1":
        vehicle_name = input("Enter vehicle name: ")
        print(get_vehicle_info(vehicle_name))

    elif choice == "2":
        vehicle_type = input("Enter vehicle type (two-wheeler/four-wheeler): ")
        print(get_maintenance_schedule(vehicle_type))

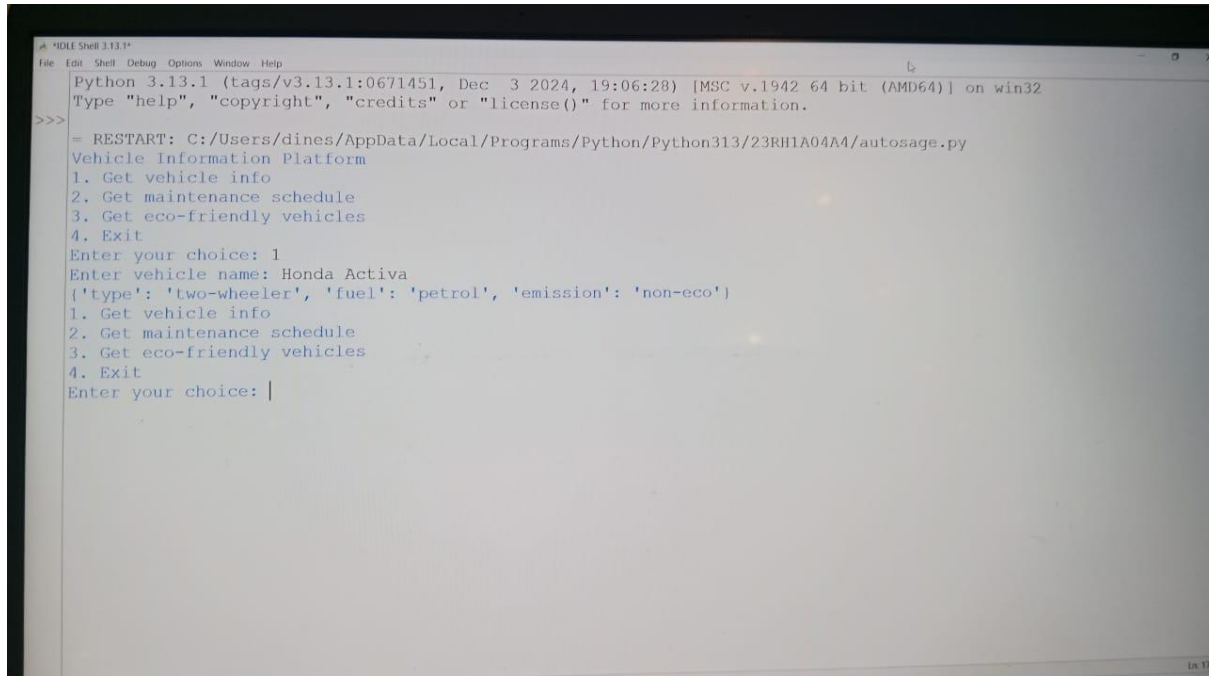
    elif choice == "3":
        print(get_eco_friendly_vehicles())

    elif choice == "4":
        break

    else:
        print("Invalid choice. Please try again.")

if __name__ == "__main__":
    main()
```

## OUTPUT:



```
Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/dines/AppData/Local/Programs/Python/Python313/23RH1A04A4/autosage.py
Vehicle Information Platform
1. Get vehicle info
2. Get maintenance schedule
3. Get eco-friendly vehicles
4. Exit
Enter your choice: 1
Enter vehicle name: Honda Activa
{'type': 'two-wheeler', 'fuel': 'petrol', 'emission': 'non-eco'}
1. Get vehicle info
2. Get maintenance schedule
3. Get eco-friendly vehicles
4. Exit
Enter your choice: |
```