Register Number: 23MCA1030 **Name:** Vinayak Kumar Singh

Subject: Python Lab

Practice Exercise for Classes, objects Constructors and Destructors

```
Code:
print("Reg No: 23MCA1030")
print("Name: Vinayak Kumar Singh")
class Vehicle:
  def __init__(self, color, topspeed, mileage, vehicle_type):
     self.color = color
     self.topspeed = topspeed
     self.mileage = mileage
     self.vehicle_type = vehicle_type
  def brake(self):
     ,,,,,,,
     Stop the vehicle
     ** ** **
     return f"{self.vehicle_type} braking"
  def drive(self):
     Drive the vehicle
     return f"I'm driving a {self.color} {self.vehicle_type} which has a top speed of {self.topspeed}
KM/hr and a mileage of {self.mileage} KMPL"
```

```
def __del__(self):
    print(f'The destructor is called for {self.vehicle_type}')

car = Vehicle("blue", 350, 5, "car")
print(car.drive())
print(car.brake())
del car

truck = Vehicle("red", 120, 8, "truck")
print(truck.drive())
print(truck.brake())
del truck

bike = Vehicle("Black", 150, 45, "bike")
print(bike.drive())
print(bike.drive())
del bike
```

output:

