Description

Build an online car rental platform using Object-Oriented Programming in Python.

Instructions to Perform:

```
## 10. Create the main project (.ipynb) file and import the car rental
module.

import car_rental

## 11.Define the main method and create objects for both car rental
and customer classes.

class CarRental:
    def __init__(self, car_type, rental_duration):
        self.car_type = car_type
        self.rental_duration = rental_duration

class Customer:
    def __init__(self, name, age, email):
        self.name = name
        self.age = age
        self.email = email

def main():
    car_rental = CarRental("Sedan", 7)
    customer = Customer("John Doe", 30, "johndoe@example.com")

if __name__ == "__main__":
    main()

## 12.Inside the main method, take the customer’s input as a choice
for displaying car availability, rental modes, or returning the cars.

def main():
    choice = input("Enter your choice (1: Display car availability, 2:
Rental modes, 3: Return cars): ")

    if choice == "1":
        display_car_availability()
    elif choice == "2":
        rental_modes()
    elif choice == "3":
        return_cars()
    else:
        print("Invalid choice. Please try again.")

def display_car_availability():
```

```
    # Code to display car availability goes here
    pass

def rental_modes():
    # Code for rental modes goes here
    pass

def return_cars():
    # Code for returning cars goes here
    pass

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

```
Enter your choice (1: Display car availability, 2: Rental modes, 3:
Return cars):  2
```

```
## 13.Use the relevant method for the customer’s input and print
relevant messages.

# Method 1: Using if-else statements
customer_input = input("Enter your input: ")

if customer_input == "A":
    print("You selected option A.")
elif customer_input == "B":
    print("You selected option B.")
elif customer_input == "C":
    print("You selected option C.")
else:
    print("Invalid input. Please try again.")

# Method 2: Using a dictionary
customer_input = input("Enter your input: ")

options = {
    "A": "You selected option A.",
    "B": "You selected option B.",
    "C": "You selected option C."
}

print(options.get(customer_input, "Invalid input. Please try again."))
```

```
Enter your input:  A

You selected option A.

Enter your input:  B

You selected option B.
```

```
## 14.Run the main method to start your project.
```

```
def main():
    # Your code here

    if __name__ == "__main__":

              main()
```