

# C++ Classes and Objects Practice

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This file contains simple **C++ practice questions** on **Classes and Objects** with **sample input/output**.

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## 1) Student Class

### Problem Statement:

Create a **Student** class with the following:

- **Data members:** **name**, **rollNo**, **marks**.
- **Member functions:**
  - **inputData()** → to take input from the user.
  - **displayData()** → to display the details.

Sample Input:

```
Enter Name: Harsh
Enter Roll No: 11
Enter Marks: 89.5
```

Sample Output:

```
--- Student Details ---
Name: Harsh
Roll No: 11
Marks: 89.5
```

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## 2) BankAccount Class

### Problem Statement:

Create a **BankAccount** class with:

- **Data members:** **accountNumber**, **name**, **balance**.
- **Member functions:**
  - **deposit(amount)** → add money to balance.
  - **withdraw(amount)** → deduct money if balance is enough.
  - **display()** → show account details.

Sample Input:

```
Enter Account Number: 101
Enter Name: Harsh
```

```
Enter Initial Balance: 5000
Enter amount to deposit: 2000
Enter amount to withdraw: 1500
```

### Sample Output:

```
--- Account Details ---
Account No: 101
Name: Harsh
Balance: 5000

Deposited: 2000
New Balance: 7000

Withdrawn: 1500
Remaining Balance: 5500

--- Account Details ---
Account No: 101
Name: Harsh
Balance: 5500
```

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## 3) Car Class

### Problem Statement:

Create a **Car** class with:

- **Data members:** **brand**, **model**, **price**.
- **Member functions:**
  - **inputData()** → to take input for the car details.
  - **displayData()** → to display the car details.

### Sample Input:

```
Enter details for Car 1:
Enter Car Brand: Toyota
Enter Car Model: Fortuner
Enter Car Price: 3500000

Enter details for Car 2:
Enter Car Brand: Tata
Enter Car Model: Nexon
Enter Car Price: 1200000
```

### Sample Output:

```
Details of Car 1:  
--- Car Details ---  
Brand: Toyota  
Model: Fortuner  
Price: 3500000
```

```
Details of Car 2:  
--- Car Details ---  
Brand: Tata  
Model: Nexon  
Price: 1200000
```