

by Kunal Sir

Simple Methods (No Parameters, No Return)

1. Print Welcome Message

Scenario: Print a standard welcome message for a shop's console application.

Method: `printWelcome()`

Example Output:

Welcome to Sunny Mart!

2. Show Today's Special

Scenario: Display the restaurant's daily special stored inside the method.

Method: `showTodaysSpecial()`

Example Output:

Today's Special: Paneer Butter Masala

3. Print Contact Info

Scenario: Print company contact details (phone & email) hardcoded inside the method.

Method: `printContactInfo()`

Example Output:

Company: QuickFix Ltd.

Phone: 999-888-7777

Email: support@quickfix.com

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4. Display Menu

Scenario: Show a fixed menu list for a coffee shop.

Method: `displayMenu()`

Example Output:

- 1. Espresso
 - 2. Latte
 - 3. Cappuccino
-

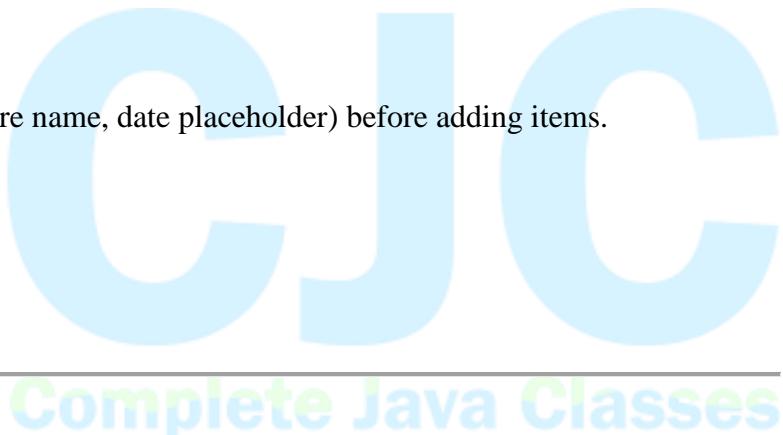
5. Print Receipt Header

Scenario: Print a receipt header (store name, date placeholder) before adding items.

Method: `printReceiptHeader()`

Example Output:

--- Sunny Mart Receipt ---



6. Announce Store Timings

Scenario: Print weekly store timings (same every day) from the method.

Method: `announceTimings()`

Example Output:

Open daily: 9:00 AM - 9:00 PM

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Parameterized Methods (With Parameters, No Return)

1. Greet Customer

Task: Print a greeting using the customer's name.

Method: greetCustomer(String name)

Sample Input:

Asha

Sample Output:

Hello, Asha! Welcome!

2. Print Item Price

Task: Print the item name and price.

Method: printPrice(String itemName, double price)

Sample Input:

Item: Notebook

Price: 49.5

Sample Output:

Item Name: Notebook

Price: ₹49.5

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3. Show Ride Details

Task: Print pickup and drop locations.

Method: showRideDetails(String pickup, String drop)

Sample Input:

Pickup: Home

Drop: Airport

Sample Output:

Ride Details:

Pickup Location: Home

Drop Location: Airport

4. Print Student Marks

Task: Print student name and marks.

Method: printMarks(String studentName, int marks)

Sample Input:

Name: Rahul

Marks: 78

Sample Output:

Student Name: Rahul

Marks Obtained: 78

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5. Display Product Info

Task: Print product name and quantity.

Method: `displayProductInfo(String product, int quantity)`

Sample Input:

Product: Pen

Quantity: 25

Sample Output:

Product: Pen

Available Quantity: 25

6. Show Book Details

Task: Print book title and author.

Method: `showBookDetails(String title, String author)`

Sample Input:

Title: Java Basics

Author: Kunal Kushwaha

Sample Output:

Book Title: Java Basics

Author: Kunal Kushwaha

Return-Type Methods (No Parameters, Returns Value)

1. Get Store Name

Task: Return the store name.

Method: `String getStoreName()`

Sample Output (Returned Value):

Sunrise Groceries

2. Get Maximum Discount Percent

Task: Return maximum discount allowed.

Method: `int getMaxDiscountPercent()`

Sample Output (Returned Value):

20

3. Get Opening Hour

Task: Return shop opening hour in 24-hour format.

Method: `int getOpeningHour()`

Sample Output (Returned Value):

9

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4. Get Delivery Charge

Task: Return fixed delivery charge.

Method: double getDeliveryCharge()

Sample Output (Returned Value):

49.0

5. Get Default Currency Code

Task: Return default currency.

Method: String getDefaultCurrency()

Sample Output (Returned Value):

INR

6. Get Owner Name

Task: Return store owner's name.

Method: String getOwnerName()

Sample Output (Returned Value):

Rohan Verma

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Parameterized With Return-Type Methods

1. Calculate Area of Rectangle

Task: Return rectangle area using $\text{length} \times \text{width}$.

Method: double calculateArea(double length, double width)

Sample Input:

Length: 5

Width: 3

Sample Output (Returned Value):

15.0

2. Calculate Total Fare



Task: Return fare using $\text{distance} \times \text{rate}$.

Method: double calculateFare(double distance, double rate)

Sample Input:

Distance: 12

Rate: 10

Sample Output:

120.0

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3. Convert Fahrenheit to Celsius

Formula: $(\text{fahrenheit} - 32) * 5 / 9$

Method: double convertToCelsius(double fahrenheit)

Sample Input:

Fahrenheit: 98.6

Sample Output:

37.0

4. Apply Discount (Simple Math Only)

Formula: final = price - (price * percent / 100)

Method: double applyDiscount(double price, double percent)

Sample Input:

Price: 1000

Discount: 10

Sample Output:

900.0

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5. Calculate Total Salary

Task: Return total salary by adding basic + bonus.

Method: double calculateTotalSalary(double basic, double bonus)

Sample Input:

Basic: 30000

Bonus: 5000

Sample Output:

35000.0

6. Add Two Numbers

Task: Return sum of two numbers.

Method: int addNumbers(int a, int b)

Sample Input:

a = 7

b = 8

Sample Output:

15
