

PROGRAM:

```
import java.util.Scanner;

public class BankAccount {

    private String accountHolderName;

    private double balance;

    private int accountNumber;

    // Default constructor

    public BankAccount() {

        this.accountHolderName = "Unknown";

        this.balance = 0.0;

        this.accountNumber = 0;

    }

    // Parameterized constructor with account holder's name

    public BankAccount(String accountHolderName) {

        this.accountHolderName = accountHolderName;

        this.balance = 0.0;

        this.accountNumber = 0;

    }

    // Parameterized constructor with account holder's name and balance

    public BankAccount(String accountHolderName, double balance) {

        this.accountHolderName = accountHolderName;

        this.balance = balance;

        this.accountNumber = 0;

    }

    // Parameterized constructor with account holder's name, balance, and account number

    public BankAccount(String accountHolderName, double balance, int accountNumber) {
```

```
this.accountHolderName = accountHolderName;

this.balance = balance;

this.accountNumber = accountNumber;
```

```
}

// Method to display bank account details

public void displayAccountDetails() {

    System.out.println("Account Holder Name: " + accountHolderName);

    System.out.println("Balance: $" + balance);

    System.out.println("Account Number: " + accountNumber);

}

public static void main(String[] args) {

    Scanner scanner = new Scanner(System.in);

    System.out.println("Enter account holder's name: ");

    String name = scanner.nextLine();

    System.out.println("Enter balance: ");

    double balance = scanner.nextDouble();

    System.out.println("Enter account number (enter 0 if not applicable): ");

    int accountNumber = scanner.nextInt();

    BankAccount account;

    if (accountNumber == 0) {

        if (balance == 0) {

            account = new BankAccount(name);

        } else {

            account = new BankAccount(name, balance);

        }

    } else {
```

```
        account = new BankAccount(name, balance, accountNumber);  
    }  
    // Display account details  
    account.displayAccountDetails();  
    scanner.close();  
}  
}
```

OUTPUT:

RESULT: