Experiment4:

Code:

```java
import java.util.Scanner;
/*
The Account class containing the following:
Data:
        name of the depositor - name
        account number - accNumber
        type of account - accType
        balance amount in the account - balance
Methods:
        1.to assign initial values - createAccount
        2.to deposit an amount - deposit
        3.to withdraw an amount after checking balance - withdraw
        4.to display the name & balance - accDetails
*/
class Account
{
  String name;
  String accNumber;
  String accType;
  int balance;
  void createAccount(String name, String accNumber, String accType)
  {
    this.name = name;
    this.accNumber = accNumber;
    this.accType = accType;
    this.balance = 0;
  }
  void deposit(int value)
  {
    balance = balance + value;
  }
  void withdraw(int value)
  {
    if(value > balance)
    {
      System.out.println("Insufficient balance");
    }
    else
    {
      balance = balance - value;
    }
  }
  void accDetails()
  {
    System.out.println("Account Holder: " + name);
    System.out.println("Balance: " + balance);
  }
}
// Demonstrating the Account Class
class BankAccount
{
```

```java
52    public static void main(String args[])
53    {
54      Scanner sc = new Scanner(System.in);
55      Account acc1 = new Account();
56      int choice, amount;
57      boolean exit = false;
58      while(!exit)
59      {
60        System.out.print("Select an option:\n1. Create an account\n 2. Deposit\n"
61                    "3. Withdraw\n4. Account Details\n5. Exit\n  -->");
62        choice = sc.nextInt();
63        switch(choice)
64        {
65          case 1:
66            sc.nextLine();
67            System.out.print("Enter the account holder's name: ");
68            String name = sc.nextLine();
69            System.out.print("Enter the account number: ");
70            String accNumber = sc.next();
71            System.out.print("Enter the account type: ");
72            String type = sc.next();
73            acc1.createAccount(name, accNumber, type);
74            break;
75          case 2:
76            System.out.print("Enter the amount to deposit: ");
77            amount = sc.nextInt();
78            acc1.deposit(amount);
79            break;
80          case 3:
81            System.out.print("Enter the amount to withdraw: ");
82            amount = sc.nextInt();
83            acc1.withdraw(amount);
84            break;
85          case 4:
86            acc1.accDetails();
87            break;
88          case 5:
89            exit = true;
90            break;
91          default:
92            System.out.println("Enter a valid option");
93        }
94      }
95    }
96  }
```

Output: