# Experiment4:

**Code:**

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  
{  
 public static void main(String args[])  
 {  
 Scanner sc = new Scanner(System.in);  
 Account acc1 = new Account();  
 int choice, amount;  
 boolean exit = false;  
 while(!exit)  
 {  
 System.out.print("Select an option:\n1. Create an account\n2. Deposit\n3. Withdraw\n4. Account Details\n5. Exit\n -->");  
 choice = sc.nextInt();  
 switch(choice)  
 {  
 case 1:  
 sc.nextLine();  
 System.out.print("Enter the account holder's name: ");  
 String name = sc.nextLine();  
 System.out.print("Enter the account number: ");  
 String accNumber = sc.next();  
 System.out.print("Enter the account type: ");  
 String type = sc.next();  
 acc1.createAccount(name, accNumber, type);  
 break;  
 case 2:  
 System.out.print("Enter the amount to deposit: ");  
 amount = sc.nextInt();  
 acc1.deposit(amount);  
 break;  
 case 3:  
 System.out.print("Enter the amount to withdraw: ");  
 amount = sc.nextInt();  
 acc1.withdraw(amount);  
 break;  
 case 4:  
 acc1.accDetails();  
 break;  
 case 5:  
 exit = true;  
 break;  
 default:  
 System.out.println("Enter a valid option");  
 }  
 }   
 }  
}

**Output:**

Select an option:  
1. Create an account  
2. Deposit  
3. Withdraw  
4. Account Details  
5. Exit  
 -->1  
Enter the account holder's name: Aum Kulkarni  
Enter the account number: 856829612  
Enter the account type: Savings  
Select an option:  
1. Create an account  
2. Deposit  
3. Withdraw  
4. Account Details  
5. Exit  
 -->2  
Enter the amount to deposit: 1300  
Select an option:  
1. Create an account  
2. Deposit  
3. Withdraw  
4. Account Details  
5. Exit  
 -->3  
Enter the amount to withdraw: 1400  
Insufficient balance  
Select an option:  
1. Create an account  
2. Deposit  
3. Withdraw  
4. Account Details  
5. Exit  
 -->3  
Enter the amount to withdraw: 1200  
Select an option:  
1. Create an account  
2. Deposit  
3. Withdraw  
4. Account Details  
5. Exit  
 -->4  
Account Holder: Aum Kulkarni  
Balance: 100  
Select an option:  
1. Create an account  
2. Deposit  
3. Withdraw  
4. Account Details  
5. Exit  
 -->5