Consider the following Java code:

```java
public class Account {
    private int balance;
    public Account(int openingBalance) {
        balance = openingBalance;
    }
    public int getBalance() {
        return balance;
    }
    public void deposit(int dollars) {
        balance = balance + dollars;
    }
    public boolean withdraw(int dollars) {
        if (dollars <= balance) {
            balance = balance - dollars;
            return true;
        } else
            return false;
    }
    public boolean transfer(int dollars, Account dest) {
        if (withdraw(dollars)) {
            dest.deposit(dollars);
            return true;
        } else
            return false;
    }
    public String toString() {
        return ("$" + balance + ".00");
    }
}
```

```java
void testAccount() {
    Account alice = new Account(100);
    Account bob = new Account(50);
    Account edwin = alice;
    alice.deposit(20);
    System.out.println("Alice has "+ alice);
    System.out.println("Bob has "+ bob);
    alice = bob;
    alice.withdraw(-30);
    bob.deposit(10);
    System.out.println("Now Alice has "+ alice);
    System.out.println("Now Bob has "+ bob);
    Account charlie;
    charlie = new Account(alice.getBalance());
    System.out.println("Charlie has "+ charlie);
    charlie.withdraw(30);
    bob.transfer(10,charlie);
    System.out.println("OK?"+ alice.withdraw(10));
    System.out.println("OK?"+ bob.withdraw(1000));
    Account diane = null;
    System.out.println("Finally...");
    System.out.println("Alice has "+ alice);
    System.out.println("Bob has "+ bob);
    System.out.println("Charlie has "+ charlie);
    System.out.println("Diane has "+ diane);
    System.out.println("Edwin has "+ edwin);
}
```

1. How many Account reference variables are declared within the method testAccount? 5

2. How many Account objects are created during execution of the method testAccount? 3

3. Hand simulate the execution of the testAccount() method. Keep track of which object each variable refers to, and keep track of the values in each object. (Draw the variables and objects in the space below. Don’t try to remember it all in your head!) As you follow through the execution, fill in the blanks to complete the output that would be printed during execution.

Alice has $120.00
Bob has $50.00
Now Alice has $90.00
Now Bob has $90.00
Charlie has $90.00
OK? true
OK? false
Finally...
Alice has $70.00
Bob has $70.00
Charlie has $70.00 //but it's a different account!
Diane has null
Edwin has $120.00