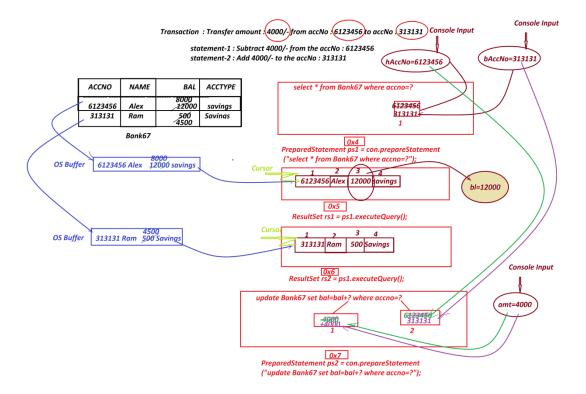
```
Dt: 14/10/2024(Day-15)
Ex:
DB-Table: Bank67(accno,name,bal,acctype)
     Primary Key: accno
create table Bank67(accno number(15),name varchar2(15),bal number(10,2),
acctype varchar2(15),primary key(accno));
Insert two Customer details:
insert into Bank67 values(6123456, 'Alex', 12000, 'savings');
insert into Bank67 values(313131,'Ram',500,'Savings');
SQL> select * from Bank67;
  ACCNO NAME
                         BAL ACCTYPE
 6123456 Alex
                       12000 savings
  313131 Ram
                        500 Savings
SQL>
Transaction: Transfer amount: 4000/- from accNo: 6123456 to accNo: 313131
statement-1: Subtract 4000/- from the accNo: 6123456
statement-2 : Add 4000/- to the accNo : 313131
```

Layout:



```
Program: DBCon11.java
package test;
import java.util.*;
import java.sql.*;
public class DBCon11 {
      public static void main(String[] args) {
       Scanner s = new Scanner(System.in);
       try(s;){
         Class.forName("oracle.jdbc.driver.OracleDriver");
         Connection con = DriverManager.getConnection
("jdbc:oracle:thin:@localhost:1521:xe", "system", "tiger");
         System.out.println("Commit-status : "+con.getAutoCommit());
         con.setAutoCommit(false);
         System.out.println("Commit-status : "+con.getAutoCommit());
           PreparedStatement ps1 = con.prepareStatement
                     ("select * from Bank67 where accno=?");
           PreparedStatement ps2 = con.prepareStatement
                     ("update Bank67 set bal=bal+? where accno=?");
         Savepoint sp = con.setSavepoint();
         System.out.println("Enter the HomeAccNo:");
         Long hAccNo = s.nextLong();
```

```
ps1.setLong(1, hAccNo);
         ResultSet rs1 = ps1.executeQuery();
         if(rs1.next()) {
              float bl = rs1.getFloat(3);
              System.out.println("Available bal : "+bl);
              System.out.println("Enter the benifiecieryAccNo:");
              long bAccNo = s.nextLong();
              ps1.setLong(1, bAccNo);
              ResultSet rs2 = ps1.executeQuery();
              if(rs2.next()) {
                    System.out.println("Enter the amount to be
transferred:");
                    float amt = s.nextFloat();
                    if(amt<=bl) {</pre>
                         //statement-1 : Subtract 4000/- from the accNo :
6123456
                          ps2.setFloat(1,-amt);
                          ps2.setLong(2, hAccNo);
                          int i = ps2.executeUpdate();//Buffer Updated
                   //statement-2 : Add 4000/- to the accNo : 313131
                          ps2.setFloat(1, +amt);
                          ps2.setLong(2, bAccNo);
                          int j = ps2.executeUpdate();//Buffer Updated
                          if(i==1 && j==1) {
                                System.out.println("Transaction is
Successfull....");
                                con.commit();//Database updated permanently
                          }else {
                               System.out.println("Transaction failed....");
                               con.rollback(sp);
                    }else {
                          System.out.println("Insufficient fund...");
              }else {
                    System.out.println("Invalid benifiecieryAccNo....");
         }else {
               System.out.println("Invalid homeAccNo....");
         con.close();
       }catch(Exception e) {
         System.out.println(e.toString());
}
```

o/p:
Commit-status : true
Commit-status : false
Enter the HomeAccNo:
6123456
Available bal: 12000.0
Enter the benifiecieryAccNo:
313131
Enter the amount to be transferred:
4000
Transaction is Successfull
=======================================
Assignment:
Modify the above program by displaying the following messages from catch-block
"Invalid hAccNo"
"Invalid bAccNo"
"Insufficient Fund"