**PROGRAM:**

**BANKACCOUNT CLASS:**

package org.example;  
  
public class BankAccount {  
 private int balance;  
 public BankAccount(int intialBalance){  
 this.balance=intialBalance;  
 }  
 public void deposit(int amount){  
 balance +=amount;  
 }  
 public boolean withdraw(int amount){  
 if (amount> balance)  
 return false;  
 balance -=amount;  
 return true;  
 }  
 public int getBalance(){  
 return balance;  
 }  
}

**BANKACCOUNTTEST CLASS:**

package org.example;  
import org.junit.Test;  
import org.junit.Before;  
import org.junit.After;  
  
import static org.junit.Assert.\*;  
  
public class BankAccountTest {  
 private BankAccount account;  
 @Before  
 public void setUp(){  
 account=new BankAccount(200);  
 System.*out*.println("New account with balance 200");  
 }  
 @After  
 public void teardown(){  
 account=null;  
 System.*out*.println("Teardown: Account reset");  
 }  
 @Test  
 public void Deposit(){  
 account.deposit(100);  
 *assertEquals*(300,account.getBalance());  
 }  
 @Test  
 public void Withdraw(){  
 boolean result=account.withdraw(50);  
 *assertEquals*(150,account.getBalance());  
 }  
 @Test  
 public void WithdrawFailure(){  
 boolean result=account.withdraw(1000);  
 *assertEquals*(200,account.getBalance());  
 }  
  
}

**OUTPUT:**

