

# Module-7

## Assignment-3

### Code:

#### InvalidBalanceException class:

```
package Module_7;

public class InvalidBalanceException extends Exception {
    InvalidBalanceException(String s)
    {
        super(s);
    }
}
```

#### CustomBalanceException class:

```
package Module_7;

public class CustomBalanceException {
    void validate(double withdrawamount, double availablebalance) throws
    InvalidBalanceException
    {
        if(withdrawamount>availablebalance)
        {
            throw new InvalidBalanceException("Balance Insufficient
for this transaction");
        }
        else
        {
            System.out.println("Transaction Successful");
        }
    }
}
```

#### CustomBalanceExceptionMain class:

```
package Module_7;
import java.io.*;
public class CustomBalanceExceptionMain {
    public static void main(String args[]) throws IOException
    {
        InputStreamReader isr=new InputStreamReader(System.in);
        BufferedReader br=new BufferedReader(isr);
        System.out.println("Enter the bank account number: ");
        long account = Long.parseLong(br.readLine());
        System.out.println("Enter the available balance in account: ");
        double availablebalance = Double.parseDouble(br.readLine());
        System.out.println("Enter the withdraw amount: ");
        double withdrawamount = Double.parseDouble(br.readLine());
    }
}
```

```
CustomBalanceException obj = new CustomBalanceException();
System.out.println("The account number is: "+account);
try
{
    obj.validate(withdrawamount, availablebalance);
}
catch(InvalidBalanceException e)
{
    System.out.println("Exception Occured"+e);
}
}
```

## Output:

### Output 1:

```
Enter the bank account number:
1234567890
Enter the available balance in account:
10000
Enter the withdraw amount:
20000
The account number is: 1234567890
Exception OccuredModule 7.InvalidBalanceException: Balance Insufficient for
this transaction
```

### Output 2:

```
Enter the bank account number:
9876543210
Enter the available balance in account:
20000
Enter the withdraw amount:
10000
The account number is: 9876543210
Transaction Successful
```