```
2
import java.util.Scanner;
public class Throwexception {
      public static void main(String[] args) {
             int num1, num2, result;
             Scanner sc= new Scanner(System.in);
             System.out.println("Enter the first number");
             num1=sc.nextInt();
             System.out.println("Enter the second number");
             num2=sc.nextInt();
             try {
                    result= num1/num2;
                   System.out.println("result of operation is: " +result);
             catch(Exception e){
                   e.printStackTrace();
                   throw new UnsupportedOperationException();
             finally {
                   System.out.println("Attempt to divide an integer by 0, Invalid
operation");
      }
}
Enter the first number
Enter the second number
java.lang.ArithmeticException: / by zero
Attempt to divide an integer by 0, Invalid operation
        at Throwexception.main(Throwexception.java:13)
Exception in thread "main" java.lang.UnsupportedOperationException
        at Throwexception.main(Throwexception.java:18)
```

```
package InsufficientBalanceException;
import java.util.Scanner;
public class insuffbal extends Exception{
      public static void main(String[] args) {
             int balance=0, deposit, widamount;
             Scanner <u>sc</u>= new Scanner(System.in);
            System.out.println("Enter the amount you wish to deposit");
            deposit=sc.nextInt();
            System.out.println("Enter the amount you wish to withdraw?");
            widamount=sc.nextInt();
             balance += deposit;
             balance -= widamount;
            try {
                   if(widamount>balance)
                         System.out.println("Insufficient amount");
                   }
                   else
                   {
                         System.out.println("Thank you for withdrawing, your
balance is " +balance);
                   }
            finally {
                   System.out.println("Insufficient amount for withdrawing");
      }
}
 rennimiere and enter ibbusereni entra e de cara dans rence terribarente.
Enter the amount you wish to deposit
2000
Enter the amount you wish to withdraw?
Thank you for withdrawing, your balance is 1800
Insufficient amount for withdrawing
 Enter the amount you wish to deposit
1500
Enter the amount you wish to withdraw?
15000
Insufficient amount
Insufficient amount for withdrawing
```

```
import java.util.Scanner;
public class IllegalBankTransactionException extends Exception {
      static void amount() throws IllegalBankTransactionException{
             long id;
             double balance=0, deposit, withdrawal;
             Scanner dep= new Scanner(System.in);
             System.out.println("Deposit an amount");
             deposit=dep.nextInt();
             balance += deposit;
             Scanner wid= new Scanner(System.in);
             System.out.println("Withdraw an amount");
             withdrawal=wid.nextInt();
             balance -= withdrawal;
             if(withdrawal<0)</pre>
             {
                    throw new IllegalBankTransactionException();
             }
             else
                    System.out.println(balance);
      public static void main(String[] args) {
             try
             {
                    amount();
             catch(IllegalBankTransactionException e)
                    System.out.println("IllegalBankTransactionException, Entering
a negative value");
             }
      }
}
Deposit an amount
5000
Withdraw an amount
300
4700.0
Deposit an amount
5000
Withdraw an amount
IllegalBankTransactionException, Entering a negative value
```