1.import java.util.Scanner;

public class Arithmetic {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter the Numerator");

int num = scanner.nextInt();

System.out.println("Enter the denominator");

int den = scanner.nextInt();

try {

int c=num/den;

System.out.println("The output of divison is "+c);

}

catch(ArithmeticException e){

System.out.println("Kindly don't provide the denominator value zero");

}

}

}

2.public class UnsupportedOperationExcepion extends Throwable {

public String toString() {

return "UnsupportedOperationExcepion";

}

}

import java.util.Scanner;

public class Exception2 {

public static void main(String[] args) throws UnsupportedOperationExcepion {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter the Numerator");

int num = scanner.nextInt();

System.out.println("Enter the denominator");

int den = scanner.nextInt();

if(den==0) {

throw new UnsupportedOperationExcepion();

}

int c=num/den;

System.out.println(c);

}

}

3.public class IllegalBankTransactionException extends Throwable {

public String toString() {

return "IllegalBankTransactionException";

}

}

public class InsufficientBalanceException extends Throwable {

public String toString() {

return "InsufficientBalanceException";

}

}

import java.util.Scanner;

public class SavingsAccount {

public static void main(String[] args) throws IllegalBankTransactionException,InsufficientBalanceException {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter your deposit");

double deposit = scanner.nextDouble();

double balance = deposit;

balance+=deposit;

System.out.println("Enter your withdraw Amount");

double withdraw = scanner.nextDouble();

withdraw( withdraw,balance);

}

private static void withdraw(double withdraw, double balance) throws IllegalBankTransactionException,InsufficientBalanceException {

if(withdraw <= balance && withdraw >0) {

System.out.println("Hi Take your amount "+ balance );

}

else if(withdraw <0) {

throw new IllegalBankTransactionException();

}

else if(withdraw > balance || withdraw ==0) {

throw new InsufficientBalanceException ();

}

}

}