**Exception handling**

public class ExceptionHandlingExample {  
 public static void main(String[] args) {  
 try {  
 int numerator = 10;  
 int denominator = 0;  
 // int result = divide(numerator, denominator);  
 int result=numerator/denominator;  
 System.*out*.println("Result: " + result);  
 } catch (ArithmeticException e) {  
 System.*err*.println("An arithmetic exception occurred: " + e.getMessage());  
 } finally {  
 System.*out*.println("Execution completed.");  
 }  
  
 }  
// public static int divide(int numerator, int denominator) {  
// return numerator / denominator;  
// }  
}

**or eg**

import java.util.\*;  
public class ta1{  
 public static void main(String[] args){  
 Scanner t=new Scanner(System.*in*);  
 try{  
 System.*out*.println("input letter = ");  
 String u;  
 u=t.nextLine();  
 if(*s\_letter*(u)){  
 throw new Exception("lower case letter not allowed!!!"); }  
 if(u.contains("A")){  
 throw new Exception("A not allowed!!!"); }  
 if(u.contains("B")){  
 throw new Exception("B not allowed!!!"); }  
 System.*out*.println(u+" is a capital letter!!!"); }  
 catch(Exception ae){  
 System.*out*.println("Caught an exception: " + ae.getMessage()); }  
 }  
 private static boolean s\_letter(String u){  
 for(char ch : u.toCharArray()){  
 if (Character.*isLowerCase*(ch)){  
 return true; } }  
 return false;}  
}

**Filing**

import java.io.\*;  
import java.util.Scanner;  
  
public class ta5{  
 public static void main(String[] args) {  
 Scanner s = new Scanner(System.*in*);  
 String u;  
 //u="21k-3881";  
 u=s.nextLine();  
 int le=u.length();  
 // System.out.println("String length = "+le);  
 String filename="taha.txt";  
 try(FileWriter w=new FileWriter(filename)){  
 w.write(u);  
 System.*out*.println("Successfully write in this file!!!"); }  
 catch(IOException ae) {  
 System.*out*.println("Exception occurred = "+ae.getMessage()); }  
 try(FileReader r=new FileReader(filename)){  
 StringBuilder b=new StringBuilder();  
 int l;  
 while((l=r.read())!=-1){  
 b.append((char) l); }  
 String m=b.toString();  
 System.*out*.println("Received!!!\n"+m); }  
 catch (IOException ae) {  
 System.*out*.println("Exception occurred = "+ae.getMessage());  
 }  
 }  
}