JavaClass30 Exception

Exception:

Exceptions are unwanted behaviors which occurs during runtime and can terminate programs abruptly or can change the

normal behavior of a program.

Why should we handle exceptions?

1) When we handle exceptions it leads to a very good user experience.

2) we can read the error messages and can figure what we are doing wrong.

3) When we handle the exceptions properly only the problematic code will not execute rest of teh code will still

continue to work.

How to Handle the exceptions:

//Break till 11:45 Record

Most important for your framework:

classes and objects

methods

inheritance

loops

if else

String class

Collection framework(List and Map)

Arrays

file handling

======================

verbal interview Questions

all OOPS

package class30;

public class ExceptionDemo1 {

public static void main(String[] args) {

String name=null;

System.out.println(name.length()); // line that contains issues

System.out.println("some important lines of code 1");

System.out.println("some important lines of code 2");

System.out.println("some important lines of code 3");

System.out.println("some important lines of code 4");

System.out.println("some important lines of code 5");

System.out.println("some important lines of code 6");

System.out.println("some important lines of code 7");

}}

package class30;

public class ExceptionDemo1 {

public static void main(String[] args) {

String name=null;

System.out.println(name.length()); // line that contains issues

System.out.println("some important lines of code 1");

System.out.println("some important lines of code 2");

System.out.println("some important lines of code 3");

System.out.println("some important lines of code 4");

System.out.println("some important lines of code 5");

System.out.println("some important lines of code 6");

System.out.println("some important lines of code 7");

}}

package class30;

public class ExceptionDemo3 {

public static void main(String[] args) {

try{

String name=null;

// System.out.println(name.length()); // line that contains issues

System.out.println("code in the try block");

}catch (Exception anibar){

System.out.println("Send an email to the Friadoon that your application has some kind of issues");

}

System.out.println("some important lines of code 1");

System.out.println("some important lines of code 2");

System.out.println("some important lines of code 3");

System.out.println("some important lines of code 4");

System.out.println("some important lines of code 5");

System.out.println("some important lines of code 6");

System.out.println("some important lines of code 7");

}

}

package class30;

public class FinallyBlockDemo {

public static void main(String[] args) {

try{

// System.out.println(10/0);

}catch (ArithmeticException ae){

System.out.println("Operation not allowed");

String name=null;

System.out.println(name.length());

}finally {

System.out.println("This Block is always executed no matter what");

}

System.out.println("1");

}

}

package class30;

public class FinallyBlockDemo {

public static void main(String[] args) {

try{

// System.out.println(10/0);

}catch (ArithmeticException ae){

System.out.println("Operation not allowed");

String name=null;

System.out.println(name.length());

}finally {

System.out.println("This Block is always executed no matter what");

}

System.out.println("1");

}

}

package class30;

public class TryCatchDemo {

public static void main(String[] args) {

try{

doSomething();

}catch (NullPointerException npe){

System.out.println("Got null pointer exception");

}

catch (IndexOutOfBoundsException e){

System.out.println("Got Index out of bound this time");

}

catch (NegativeArraySizeException e){

System.out.println("Josh we can't create arrays with negative size");

}

catch (ArithmeticException e){

System.out.println("This operation is not supported in Math");

}

catch (Exception e){

System.out.println("I can handle any type of exceptions");

}

}

public static void doSomething(){

String name=null;

System.out.println(name.length());

int arr[]=new int[1];

System.out.println(arr[10]);

/\* String str="dsfnksd";

str.charAt(20);\*/

//System.out.println(101/0);

}

}

package class30;

import utils.ExcelReader;

import java.io.IOException;

public class TypesOfExcep {

public static void main(String[] args) {

/\* String name=null;

if(name!=null){

System.out.println(name.length());

}

int [] arr=new int[5];

int index=10;

try {

System.out.println(arr[index]);

}catch (Exception e){

System.out.println("Josh please fix your issues you never write good code");

}

if(index<arr.length){

System.out.println(arr[index]);

}

\*/

try {

System.out.println(ExcelReader.read("/Users/apple/IdeaProjects/SDETBatch14Java/Data/Test.xlsx"));

} catch (IOException e) {

System.out.println("Josh can you please stop deleting my files");

}catch (NullPointerException e){

}

System.out.println("important line of code");

}

}

package class30;

import java.util.ArrayList;

import java.util.LinkedHashMap;

import java.util.List;

import java.util.Map;

public class Repl209 {

/\*

"Items", "Apple"

"Price", 20.00

"Quantity", 10

"Items", "Orange"

"Price", 21.99

"Quantity", 10

\*/

public static void main(String[] args) {

List<Map<String,Object>> dataList=new ArrayList<>();

Map<String,Object> appleMap=new LinkedHashMap<>();

appleMap.put("Items","Apple");

appleMap.put("Price",20.00);

appleMap.put("Quantity",10.0);

Map<String,Object> orangeMap=new LinkedHashMap<>();

orangeMap.put("Items","Orange");

orangeMap.put("Price",21.99);

orangeMap.put("Quantity",10.0);

dataList.add(appleMap);

dataList.add(orangeMap);

double price=0;

double quantity=0;

double total=0;

for(Map<String,Object> listData:dataList){

for(Map.Entry<String,Object> entry:listData.entrySet()){

if(entry.getKey().equals("Price")){

//price=Double.parseDouble(entry.getValue().toString());

price=(double) entry.getValue();

}else if(entry.getKey().equals("Quantity")){

quantity=(double)entry.getValue();

}

System.out.println(entry.getKey()+": "+entry.getValue()+" ");

}

total+=price\*quantity;

System.out.println("SubTotal "+(price\*quantity));

}

System.out.println("Your purchase total :"+(total));

}

}