EXCEPTION HANDLING

QUES-1) EXPLAIN DIFFERENT TYPES OF ERRORS IN JAVA?

ANS) BASICALLY THERE ARE 3 TYPES OF ERROR :-

1. SYNTAX ERROR
2. LOGICAL ERROR
3. RUNTIME ERROR

QUES-2) WHAT IS AN EXCEPTION IN JAVA?

ANS) THE EXCEPTION IS A KIND OF KNOWN ERROR, IN WHICH WE CAN IDENTIFY AND CORRECT THE EXCEPTION.

QUES-3) HOW CAN YOU HANDLE EXCEPTION IN JAVA? EXPLAIN WITH AN EXAMPLE?

ANS) THERE ARE MULTIPLE WAY TO HANDLE AN EXCEPTION IN JAVA

* VIA CREATING YOUR OWN EXCEPTION CLASS
* EXTENDING EXCEPTION CLASS IN JAVA
* USING THOWS AND THROW KEYWORD
* USING TRY CATCH BLOCK
* public class Exception{
* class Demo{
* public static void main(String args[]){
* try {
* int a, b;
* b = 0;
* a = 5 / b;
* System.out.print("A");
* }
* catch(ArithmeticException e) {
* System.out.print("B");
* }
* }
* }
* }

QUES-4) WHY DO WE NEED EXCEPTION HANDLING IN JAVA?

ANS) THE MAIN PURPOSE OF EXCEPTION HANDLING IN JAVA IS TO HANDLE THE UNKNOWN EXCEPTION, AND PREVENT THE APPLICATION TO HALT, AND MAKE USER DAILY LIFE EASY.

QUES-5) WHAT IS THE DIFFERENCE BETWEEN EXCEPTION AND ERROR IN JAVA?

ANS) EXCEPTION- KNOWN ERROR, WE CAN EASILY IDENTIFY, HANDLE AND DUCK THE EXCEPTION.

PARENT CLASS IS EXCEPTION, THERE ARE MANY TYPES OF ERROR.

ERROR- UNKNOWN ERROR WHICH OCCUR AT INSTANT AND IT DIRECTLY HALT THE APPLICATION.

THERE ARE MANY TYPES OF ERROR:- COMPILE TIME ERROR, RUNTIME ERROR, SYNTAX ERROR.

QUES-6) NAME THE DIFFERENT TYPES OF EXCEPTIONS IN JAVA?

ANS) THERE ARE TWO TYPES OF EXCEPTION:-

1. CHECKED EXCEPTION:- THE EXCEPTION THAT ARE CHECKED BY THE COMPILER AT COMPILE TIME.
2. UNCHECKED EXCEPTION:- THE EXCEPTION THAT ARE NOT CHECKED BY THE COMPILER AT COMPILE TIME.

QUES-7) CAN WE JUST USE TRY INSTEAD OF FINALLY AND CATCH BLOCK?

ANS) NO.