Assignment Question

Ques) Explain different types of errors in java?

Ans) : In any programming language errors are categorised into 2 types:-

* Syntax Error/Compile Time Mistakes
* ` Logical Error/Run Time Mistakes

Syntax error/CompileTime Mistakes.

It refers to the mistake done by the programmer with respect to syntax.

These mistakes are identified by the compiler, so we say it “CompileTime Mistake”.

Logical error/Runtime Mistakes.

It refers to the mistakes done by the programmer with respect to logic.

These mistakes are identified by JVM during the execution of programme.

Ques) What is an exception in java?

Ans) An unwanted/expected event that disturbs the normal flow of execution of a program is called "Exception handling"

The main objective of Exception handling is to handle the exception.

It is available for graceful termination of program.

*Ques*) How can you handle the exception in java?

Ans) Exception handling can be performed by using :

* Try : The set of risky codes are comes under this block.
* Catch : This block is used to catch the exception that were trap in the try block.

Ques) Why do we need exception handling in java?

Ans) To avoid the termination of a program it is necessary to handle the exception.

Ques) Difference between error and exception?

Ans) Errors are typically happens while an application is running.for instance ,out of memory error occurs in case the jvm runs out of memory.on the other hand ,exceptions are mainly caused by the application.For instance Null pointer Exception happens when an app tries to get through a null object.

Ques) Name different type of exception in java?

Ans) checked : occurs during the compilation . Here , the compiler checks whether the exception is handled and throws an error accordingly.

Unchecked : occurs during a program execution . these are not detectable during the compilation process.

Ques) Can we just use try instead of catch and finally blocks?

Ans) No, it will show a compilation error.