

.Net Interview Questions on Garbage Collection

Dot Net Frameworks Memory Management Garbage Collector which manages allocation and release of memory from application

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.Net Framework's -Memory Management Garbage Collector which manages allocation and release of memory from application. Now developers no need to worry about memory allocated for each object which is created on application . garbage collector automatically manages memory on application

Garbage Collection Interview Questions

I would like share this horrible experience which I faced in one of the big IT multinational company. Even though I have 8 years of experience, I flunked very badly and I flunked due to 1 topic "Garbage collector". I hope the below discussion will help some one down the line when facing c sharp and dot net interviews. I just hope dot net interviews get more matured down the line and ask practical questions rather than asking questions which we do not use on day to day to basis.

The interviewer started with a basic question which I knew pretty well

.NET Interview Questions and answers on Garbage Collector

What is a garbage collector?

Garbage collector is a background process which checks for unused objects in the application and cleans them up.

After that answer my guess was the interviewer will not probe more....but fate turned me down , came the bouncer.

What are generations in garbage collector?

Generation define the age of the object.

Well i did not answer the question , i have just written down by searching in google....

How many types of Generations are there in GC garbage collector?

There are 3 generations gen 0 , gen 1 and gen 2.

Then came a solid tweak questions which i just slipped by saying Yes...

Does garbage collector clean unmanaged objects ?

No.

Then came the terror question...which i never knew...

When we define clean up destructor , how does it affect garbage collector?

If you define clean up in destructor garbage collector will take more time to clean up the objects and more and more objects are created in Gen 2..

How can we overcome the destructor problem ?

By implementing "IDisposable" interface.

The above question was tricky , you can search in google for finalize and dispose patterns.

Where do we normally put unmanaged code clean up?.

In finalize a.k.a destructor.

One thing i learnt from this interview experience is one thing but we also should know core concepts in detail to crack Dot net interviews .

By ShivPrasad Koirala

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