

IN - General Electric

- 1) What is oop?
- 2) Explain major pillar of oop?
- 3) Inheritance ; polymorphism constructor calling & the flow.
- 4) what is stack & queue? diff conditions for top initialization i.e. $-1, 0, 1, \dots$ & accordingly ~~is stack~~ conditions for Empty & Full.
- 5) Real life example of stack & queue (more than 3 example)
- 6) sorting algorithm?
- 7) Explain Quick sort
- 8) The most efficient sorting algo?
- 9) Do you have any questions for us?

[Round 2]

- 1) Explain your CDAC project?
- 2) what is Angular cli full form full form of WCF, HTTP
- 3) what was your contribution in your project?
- 4) Inner Join Query
- 5) Any Questions

GE [Round 1] Technical

Christy Abraham

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Round - 3 HR + Technical

- 1) Explain your BE project?
- 2) write your BE project code?
- 3) what is OS?
- 4) why do you use OS?
- 5) Diff betwⁿ Android vs windows (OS)
- 6) which OS do you know?
- 7) what is RAM?
- 8) Memory Management?
- 9) Compare diff OS?
- 10) Stack & queue push & pop
- 11) Can you implement stack or queue using array
write a code for it?
- 12) ~~do~~

GE

DEEPAK A. TIWARI

ROUND 1

- 1) Tell me about Yourself.
- 2) Tell me about your project.
- 3) Without using ' $>$ ' & ' $<$ ' operator find out which number is greater.
- 4) What was your role in your project.
- 5) What do you know about testing?
- 6) If I give you paytm App for testing, How will you test it?
- 7) If I give you a page which takes adhar No. as input & gives their details. Which question will you ask first?

ROUND 2

- 1) Runtime Exception
- 2) Thread lifecycle
- 3) Exception hierarchy
- 4) Can you call run() method directly?
- 5) WAP to find sum of diagonal in 2D Array.
- 6) Executor
- 7) Annotations
- 8) How you connected your controller & pojos with database?
- 9) Where have you done hibernate mapping?
- 10) Diamond problem.

ROUND 3

1) Memory Leak

2) What are the tools you studied in SADT?

3) What have you learned from Testing part of SADT?

4) Tell me some Attacks.

5) Difference between Authentication & Authorisation.

6) What you learned from your project?

7) What you didn't like about your group?

8) What is OOPS?

9) 4 pillars of ~~your~~ OOPS?

10) Example of Encapsulation.

General Electric

Vivek

Jadhav

PGDAC-2018

August

Questions Asked:-

Round 1

1. Introduce Yourself?
2. What is your strength & weaknesses?
3. Rate yourself as per technology that you like?
4. OOPS concepts
5. Prime no program, optimized.
6. String operations
reverse without using much line of codes & ↓ defrd fr. without using
7. Explain Your Project?
8. Database queries, stored Procedure
9. Linked list, BST search algorithm
10. HTML vs HTML5, cookies, session?

Round 2

1. C++, VPTR, Virtual table.
2. C++ vs Java
3. Java Singleton Concept.
4. diff between finally/finally/finally.
5. stack Vs heap based objects.
6. Inheritance in C++
7. Difference between Assembly/C/C++ & its use in System software design.
8. Runtime Polymorphism

- overloading & over-riding.
- what is Abstract class.
- Tricky questions on Inheritance.
- Joins (mysql).
- sorting algorithms (selection; Bubble; insertion).
- Reverse a string (logic program).

LGE

ROUND 1

- sorting (Quick sort)
- Data structures.
- Project

ROUND 2

- logic program (print all prime numbers till n)
- logic program (check for palindromic string).
- .net (few things / Basics).
- one question on aptitude/quant
- hibernate
- operating system concepts.
- software Engineering concepts / testing / Different types of model's

ROUND 3

eg:- waterfall;
Agile.

① C++ → *OOPS concepts used in C++

① write a class in cpp & define 2 objects on stack & heap resp.
Assign values to instance members.
Parameterised constructor.

② What is function & operator overloading?

③ Diff between structure & class.

④ Can you write a function in a structure?

Can a structure inherit from another class/structure?

⑤ Memory diag for class which has instance & reference of another class.
(Both on stack & heap) → C++ and Java.

⑥ Size of empty class - why?

⑦ write fibonacci series using recursion

⑧ Queue using array; sum of all values in queue.

⑨ overriding & overloading

⑩ Steps carried out during overriding.

⑪ final, finally, finalize

⑫ Project — role in project

2nd round

↳ Angular: flow of an application.

• How do you use a service?

• What is present in ngModule.

• What is providers, import, export (which providers did you use in your project?)

• If you have 2 components which use the reference of a service, are 2 objects created?

• If not, can you create?

• How is angular service connected to Java?

- Why Angular?

- Why Spring? Advantages

Data structures: Quick sort (example + code)
Binary Search

Database: inner join
outer join types

3rd round

① class A

{
}

class B: A

{

}

class C: B

→ order of destructor invocation → C, B, A
and
why in reverse order.

② Write a code which finds the index of first occurrence of a substring in a string.

③ What have you learnt from the project (not the technical aspects)?