

For Gr E.

- ① Create an object for a base class & 4 derived class and the behaviour of the object should be that when the value of object is updated in any derived class it should be reflected in other derived class
- ① Create a linked list and add the linked list.
- ① Reverse the linked list
- ① Default access modifier.
- ① Fibonacci series
- ① 2 - patterns
- ① Types of ~~Multiple~~ inheritance.
- ① Explain protected inheritance in detail.
- ① Which language do you prefer for programming Java or C++? why Java.
- ① Architecture of JVM.
- ① Runtime binding & static binding.  
↓
- ① Explain what exactly happens in Runtime binding
- ① Doubly linked list and circular linked list difference?
- ① Find the middle node of Linked List.
- ① How are private members inherited in child class
- ① Friend function in C++.

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PGDAC-2018

August

Questions Asked:-

## Round 1

1. Introduce Yourself?
2. What is your strength & weaknesses?
3. Rate yourself w.r.t technology that you like?
4. OOPS concepts
5. Prime no program, optimized.
6. String operations  
solve without using much line of codes & ↓ depend 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 / finalize / friend.
5. Stack Vs Heap based objects.
6. Inheritance in C++
7. Difference between Assembly / C / C++ & its use in System Software