

Questions asked to Placed Student.xlsx : Form Responses 1		
	C	D
1	Company Name	Technical Question Asked In Interview
2	L&T Technology Services	B.E Project in detail. 1)C++-OOPs concept with realtime example,Virtual Functions,Copy Constructor. 2)OS-Context Switch,Pre-emptive Scheduling. 3)Application Security- Sql-Injection. 4)Java-Multithreading Code.
3	AppDirect	Collection in detail,abstraction in detail,diff overloading and overriding and method hiding,write a program to sort employee by name in collection ans-use treeset and comparator
4	KPIT	Copy Constructor in Detail,Sorting(Bubble,Selection(Program),Merge,Quick(Algorithm)),Singly Linked List(Normal program& program for Reverse),Exception Handling(CPP),Multi threading in detail,Abstract class And Interface.(JAVA),Basics Of Spring & Hibernate(Project Technologies).
5	Sapient Mind Technologies Pvt. Ltd	Python - Pandas Case Studies, Java OOPS Concepts, Spark(in deep), DBT- SQL, Mongo(strong knowledge of both is must), slight knowledge of visualization tools, Analytics & tools, Machine Learning(very strong knowledge *NLP* & *deep learning*)
6	Sapiens	1.Explain the Concepts of Oops With Real Time Example? 2.Explain the Projects that you implemented in detail with the Structure and the Queries that you apply? 3.How to implement the Tic-Tac-Toe Game?Explain the oops concept in that? 4.Explain the way in which you design an web application for an Restaurant? 5.Explain Life Cycle of Servlets,Jsp,Hibernate and Spring? 6.Basic Programs On Arrays and Strings e.g.-How to find the second largest element in unsorted Array?(in single loop) 2.How to check whether no. is Even or Not without Using any Arithmetic Operators?
7	L & T Technology Service	Q1. Explain Graduation Project in brief?--Cross Question on Project Q2. DataBase- Inner Join ,Store Procedure and Sub Query Q3. Explain Function Overloading with example? Q4. Difference betn Structure And Union? Q5. Program for call by value & call By reference?
8	Sapiens	All Constructor ,RTTI,Virtual function,Deep copy , Code for reverse String ,oops Concept etc.

9	sapiens	what is dispatcher servlet? explain oops concepts on tic toe game and oops concepts on fan. find middle element in linked list.
10	Happiest Minds	1) Explain project 2) How spring mvc works. 3) what are the different functionalities are there in your project. 4) Write query of max salary. 5) write query of group by function. 6) write program for inheritance. 7) what is interface. 8) Can we create object of interface. 9) what is OOPS. 10) How do you rate yourself in java.
11	Sapiens	CPP INTERVIEW 1. how to create object, array on heap 2. how to initialize const, static variables 3. operator overloading 4. when destructor is called 5. narrow down cases of polymorphism 6. can function be virtual and static at a time 7. find middle element of linked list of which size is not known (in single loop only) 8. add node having data x after the node which is having data y 9. copy constructor
		1) Explain Basic Concept Of OOPS with Real time example 2) Explain The Hierarchy of collection. 3) what is difference between ArrayList and Array 4) what is difference between list and Map 5) Explain Servlet Life cycle. 6) difference between String, StringBuffer and StringBuilder. 7) write the logic for given pattern * * *

12	Medline	<p>* * *</p> <p>* *</p> <p>*</p> <p>8)write a logic for find out second repeated character from string eg. amazonm output: answer:m</p> <p>9) Joins Queries</p> <p>10) Explain your Cdac Project.</p> <p>11) Diifference Between Comparator And Comparable.</p> <p>12) Explain Hierarchy of Exception.</p> <p>13) difference between checked and unchecked Exception.</p>
13	Morning Star India Pvt.Ltd	<p>1.Pillars of OOPS</p> <p>2.Template Library</p> <p>3.All the types of Inheritance</p> <p>4.Collections in Java</p> <p>5.Why Spring?Why Hibernate</p> <p>6.Why Angular?</p> <p>7.Advantages of Client Side Scripting?</p> <p>8.What is tomcat?</p> <p>9.Encryption Algorithm</p> <p>10.Questions on JavaScript(with syntax)</p> <p>12.Difference between http & https?</p> <p>13.Different http methods(Get,Post,etc)</p> <p>14.Do competitive coding from websites like hackerrank,hackerearth,AMCAT,mettle,etc</p>
14	Yash Technologies	<p>1.Explain all OOPS concepts(in deep) ?</p> <p>2.Access specifier in c#?</p> <p>3.Difference between internal and protected internal</p> <p>4.Custom Attribute ?</p> <p>5.MVC Life cycle (or Flow)?</p> <p>6.Project in detail? How to publish or host (for web app)?</p>

		<p>7.event and delegates ?</p> <p>8.Difference between abstract class and interface?</p> <p>9. input - a2b3c5 output - aabbbcccc(try to implement with lower time complexity and should be memory efficient)</p>
15	Dassualt Systemes	<p>1)What is Load Balancing?</p> <p>2) What is SSL?</p> <p>3)What is Public Key And Private Key?</p> <p>4) How SSL AND TLS Works?</p> <p>5)What Is Difference Between SSL and TLS?</p> <p>6) Why DEV-OPS is Used?</p> <p>7) Difference Between Application Server And Web Server?</p> <p>8)Any Name Of Application Server?</p> <p>9)Different types of Load Balancer?</p> <p>10)Which are Hardware Load Balancer?</p> <p>11)Different Algorithm used by Load Balancing?</p> <p>12)What is Primary Key?</p> <p>13)Oracle Command?</p> <p>14) SQL Commands Eg-Select,Insert,Primary Key,unique?</p> <p>15)Apache webserver?</p>
16	Dassault Systemes	<p>SSL/TLS (handshake) working,</p> <p>Encryption(PKI),</p> <p>Devops and why it is used (git,docker),</p> <p>Web server and Application server,</p> <p>Load Balancing</p> <p>RDBMS(MS SQL/ Oracle),</p> <p>Most of the questions on BE/BTech and PGDITSS project.</p>
		<p>1)Explain project</p> <p>2) Why did you choose this project?</p> <p>3)Why did you use hibernate and Spring in your project</p> <p>4)Explain flow of your projetct?</p> <p>servlet config vs servlet context</p>

17	Cybage	<p>write servlet code</p> <p>jvm architecture</p> <p>hashmap and hashtable difference</p> <p>hashtable internal working</p> <p>ORM internal working</p> <p>what is session factory and session</p> <p>maximum salary 3 diff query (database)</p> <p>some codes of data structure</p>
18	Afour technologies	<ol style="list-style-type: none"> 1. Based on machine learning project . 2. Multithreading code in java 3. missing element from array of 1 to 10 4. NLP in machine learning , neural networks 5. Roc curve in machine learning 6. find gcd of two elements ? efficient code required. 7. Write recursion code for inversing string in python .Dont use inbuilt functions. 8. Second largest element in array ? 9. basic ML algorithms 10. SQL query Delete duplicate records from table . 11. Alternate sorting of array 12. write efficient code for any problems
19	India Medronic	<ol style="list-style-type: none"> 1 What are inner classes? 2 explain regular expressions in java 3 what is serialization and deserialization 4 difference between stringbuilder and stringbuffer 5 what is multithreading? explain 6 what is database? 7 write 3 queries to find 3rd highest salary? 8 have u worked on unix? 9 few commands like grep ls pwd very basics

		10 database table creation and primary,foreign key concepts 11 project in deep....
20	KPIT	Advantages of OOPs Types of Inheritance Dimond Ambiguity problem and solution Virtual in Cpp Friend function and Friend class Difference between Copy Constructor and Assignment operator Operator Overloading Overloading and overriding (Any operator that cannot be overloaded and Why) Project(Description, why Spring MVC) Snippet to observe the output Write recursive code to print numbers 1 to 100 Write a Program to find number of 't' occurred in a string "This is the test" {Consider small letters as well capital letters too}
21	KPIT	OOPs concepts
22	Light Information Systems	Python basics- dict,list,set,object class,inheritance,programs without using built in functions Machine learning- cnn,rnn, lstm-internal working SQL queries- delete duplicate rows, extract same salary emp Project in details general aptitude
23	Yash Technologies	what is cloud computing? difference between bias and variance? what is cross validation? how to delete duplicate rows in oracle difference between truncate and delete? what is R^2? explain xgboost algorithm
24	Medtronic PLC	Linux commands, joins in db & tableau, Everything about tableau, Normalization in sql, engg & cdac project deeply, python data structures
		double linked list, delete node

25	LG soft	<p>pattern , print * in the form of X</p> <p>fibonacci series with the help of recursion</p> <p>explain the working of your project</p> <p>application of Stack</p> <p>singleton class</p> <p>zombie process in OS</p>
26	Siemens	<p>All about oops</p> <p>puzzle about 10 prisoners</p> <p>difference between static dynamic</p> <p>storage classes in c</p> <p>how to allocate 2D dynamic memory</p>
27	KPIT TECHNOLOGIES	<p>TECHNICAL INTERVIEW QUESTIONS</p> <p>1.WHAT IS STACK?</p> <p>2.EXPLAIN OOPS CONCEPT?ONE EXAMPLE TO FOR ALL CONCEPT?</p> <p>3.EXPLAIN DIAMOND PROBLEM?</p> <p>4.HOW TO SOLVE DIAMOND PROBLEM?</p> <p>5.VIRTUAL TABLE?</p> <p>6.VIRTUAL FUNCTION POINTER</p> <p>7.EXPLAIN COPY CONSTRUCTOR & WRITE ITS SYNTAX</p> <p>8.TYPES OF INHERITANCE AND ITS REAL TIME APPLICATION</p> <p>9.WRITE A PROGRAM TO REVERSE SINGLY LINKED LIST</p> <p>10. WRITE A PROGRAM TO REVERSE DOUBLY CIRCULAR LINKED LIST</p> <p>11.WRITE A PROGRAM TO PRINT 1 TO 100 WITHOUT USING FOR LOOP</p> <p>12.WRITE A PROGRAM TO PRINT 1 TO 100 WITHOUT USING ANY LOOP</p> <p>13.CAN WE MAKE STATIC AS VIRTUAL?</p> <p>14.CAN WE PASS POINTER IN COPY CONSTRUCTOR?</p> <p>15.REAL TIME APPLICATION OF SINGLY,DOUBLY LINKED LIST?</p>
		<p>1. Introduce yourself in brief, about your journey in CDAC</p> <p>2. OOP's concepts with real life examples</p> <p>3.Basics of C and C++</p>

28	Cybage	<p>4. Database, it's types their differences, difference between delete and truncate Normalisation,difference types of joins their practical use ,queries on joins,</p> <p>5. JAVA, JVM and it's architecture, basics on loops, size of empty class</p> <p>6. programs on sorting and searching, string handling</p> <p>7 CDAC project(Online blood bank) questions on back-end and front-end difficulties in project and navigation.</p> <p>8. 3 puzzles</p>
29	Schlumberger	<p>B.Tech project explanation (Dotnet),basics angular,basics node ,validation using javascript,difference b/w delete and truncate,brief about socket programming mainly project explanation,internship project explanation(dotnet),</p> <p>oops concept real life examples.Brief of MAC,IP address,</p> <p>OSI layer</p>
30	CYBAGE SOFTWARES	<p>1) Star pattern programming question--Input a number>2 and print 'X' in star shape using optimal for loops..</p> <p>2) Write a query in SQL to calculate the 6th highest salary of an employee from the employee table.(At least solve with 3 solutions).</p> <p>3) Some programming questions were in C :- reverse of a string, palindrome, and armstrong number series.</p> <p>4) Questions related to the project done in CDAC which were mostly in advanced java and some questions were from the project done in btech.</p> <p>5)Questions from triggers and procedures (PL/SQL).</p>
31	siemens	<p>1)optimised code to print prime numbers from 1 to 100 with complexity.</p> <p>2)database questions</p> <p>-----i)procedure with syntax</p> <p>-----ii)view</p> <p>3)java</p> <p>-----i)abstract vs interface</p> <p>-----ii)final static vs const</p> <p>-----iii)</p>

		4)c++ -----i)pointers 5)datastructures -----i)graph , tree,linked list.
32	onmobile	1)To find from which floor egg will break in most efficient way? 2)Program to find no of occurrences of all alphabets in the string. 3)What are pre-processor directives? 4)What is exception handling in java and explain hierarchy? 5)Puzzle of gold prices to find day when we should buy it and sell it? 6)Questions on project about its implementations,technology and how we can add new features? 7)Most efficient way to find power of any number.
33	Schlumberger ,Pune.	1)What was your CDAC project ? Explain in detail. 2)Why you chose this project? (Explain drawbacks of existing systems,etc). 3)Explain about Angular.Why it is more popular nowadays? 4)Difference between Tree & Graph. 5)Stack vs Queue. give real time examples and when to use what. 6)How does angular processes the data. 7)Different Sorting Algorithms and time complexity. 8)Explain Collection hierarchy. 9)Explain your project's database. 10)what are joins,procedures,functions,triggers have you used any of them in your project ?
34	Schlumberger	1) Explain your project in detail. 2) Difference between Log file and Data file. 3) Does OS plays role in the working of database. 4) How joins work internally. 5) How many issues did you face during the project and how did you resolve them? 6) How will you resolve the issue when the company's database is getting slow everyday at 5 pm.? 7) What is scheduling? 8) What is fragmentation?

35	CenturyLink	Inventurus,MObiTV,Shadi.com(people Interactive)Sql Joins, NLP Conceptual,python matrix function, underfitting overfitting,NLP Bag Of Words,Deep Learning/Neural Network Concept,Dataframes in python and R,Identity Matrix in Python,Mongo find and aggregate functions.
36	KPIT	oops concepts,polymorphism(compile time and run time)with internal working of virtual table and virtual pointer,difference between macros and inline function,why inline function is faster than simple function,why we don't have virtual constructor ,why virtual destructor,inheritance,difference between class and structure,reverse of link list,insertion and deletion on link list,about my project(why you choosed spring and hibernate),request flow diagram of spring
37	Manhattan Associates	Problem statements on arrays and strings, OOPS concept with real time example,snippet on polymorphism and virtual function,DBMS-queries on project related to mapped table,joins. JAVA- Project,collections.
38	Verifone India Technology pvt ltd	SQL queries regarding project related to joins, constraints.Questions asked on project related to oops concept.String reverse, occurence of characters.
39	ht Information System Private Limi	How to calculate F1 Score, What is one hot encoding, print 5 times hello world without using loop, print 1 to 100 without using loop, programming in dictionary, tuple and list operations in python, what is NLP ,NLTK Stopwords, Find stopwords programming from a sentence.
		<p>1st technical round-----</p> <p>Self introduction</p> <p>asked for something which you did mention in your resume.</p> <p>Basic OOPS Concepts..</p> <ol style="list-style-type: none"> 1. Explain your Project. <p>:- why spring.</p> <p>:- why hibernate.</p> <p>:- tables used in database.</p> <p>:- validations used in project, did you use exeption handling in your project, which are the mappings you used in project.</p> <p>:- explain 3 tier architecture.</p> <p>:- explain the spring architecture.</p> <ol style="list-style-type: none"> 2. build a template of movie ticket booking site and explain the flow. 3. Diff. between String builder and String buffer. 4. Diff. between Final, Finally,and Finalize. 5. Diff. between hashMAp and Hash Table.

Born Commerce private ltd.

6. Write code for reverse a linkedlist.
7. write code for inserting a node in a tree.

2nd technical round——

1. draw Collection hierarchy.
2. what is exception handling.
3. what String is immutable.
4. explain jsp life cycle and servlet life cycle.
5. in one example explain oops concept.
6. difference between abstract and interface in java.
7. puzzle asked of 10 prisoners standing in a row.
8. virtual pointer and V table basics.

Guidelines for interview :-

1. you have to be confident.
2. talk to them with smile on your face.
3. if you want to have a package then do codings of hackerrank and hackerearth site.

C:

1. Structure and Union
2. pointers

DS:

1. Linked List Implementation(All the operations like insert, delete, search)
2. Tree(Mainly focus on Binary Tree and Binary Search Tree)
3. Graph Basics Concepts
4. Stack And Queue

Basics OOPS Concepts:

1. What is Class & Object
2. public Constructor and Private Constructor
3. Static and dynamic Polymorphism
4. Inheritance and its types

Core Java:

1. String Immutability
2. Can we extend multiple classes?
3. Abstract class vs Interface(Most Important)
4. Can we declare any instance data members(variables) inside interface?
(Answer is "No" but if we want to achieve this mechanism there is concept of declaring variables as final static)
5. Collection Framework(Most Important)
6. Exception Hierarchy(Most Important)

Advanced Java:

1. What is Spring? And what is importance of Spring?
2. MVC Architecture
3. Hibernate and its importance
4. JSP(Java Server Pages)
5. Spring Bean

DBMS:

1. Basics CRUD operations
2. Query for finding 3rd highest salary from employee table
3. Stored Objects(Procedures, Functions, Triggers, Exceptions, etc.)

Programs:

All the programs covered during C Programming Module

1. Pattern Programming
2. Sorting

		<p>Project developed during CDAC:</p> <p>Puzzles:</p> <p>1. Covered by Rohra Sir</p>
42	Cybage Software Pvt. Ltd.	<p>1. Tell me about yourself?</p> <p>2. Tell Something about your Project?</p> <p>3. New features added in your project</p> <p>4. What is Spring?</p> <p>5. What is Hibernate?</p> <p>6. How Hibernate is responsible to mapped your object to Database?</p> <p>7. Coding Questions :</p> <p>> Generate Prime number series for n input</p> <p>> Calculate the sum of fibonacci series for n input</p>
43	CYBAGE Software pvt ltd	<p>BE MTECH CDAC Project</p> <p>Difference between Abstract and interface</p> <p>implement functionality of Your project</p> <p>OOPS CONCEPT</p> <p>Collection Framework</p> <p>Exception in java</p> <p>Join</p> <p>Normalisation</p> <p>Queries</p> <p>database engine</p> <p>spring hibernate</p> <p>why MVC?</p> <p>Design Pattern used in your project</p>
		<p>1. Explain your DAC project</p>

44	Cybage Software Private Limited	<ol style="list-style-type: none"> 2. Tell me the flow of the project (design flow) 3. My project had payment option so the interviewer also asked me about the payment gateways which are in use now and how they work 4. select ... from emp where ... group by ... order by ... ; --> Explain the flow of the query 5. You have two tables in database one is emp table with empid,ename and deptid columns the other table is dept table with deptid and dname columns -> write a query based of the tables above to display the dname and count of employees dept wise. 6. I have a class in Java and I have written a static block inside it. Will the program run without main() method? 7. Do you know servlets? Define 8. Why did you use bootstrap? Do you know any other frameworks which are similar to bootstrap? 9. Are you familiar with OOPs concepts? 10. what is the difference between data abstraction and encapsulation? 11. what is the difference between static method and instance method? 12. Do you know about responsive web sites? what are they? 13. Do you know OSI model? Explain the model 14. Which all frameworks did you study in Javascript Framework module? 15. Which version of angular js did you work on? 16. Explain the flow from start to end for angular js 17. Find the missing alphabet (series puzzle). <p>All your basic concepts should be very clear.</p> <p>All the best!!!</p>
		<ol style="list-style-type: none"> 1.Explain OOP's concept. 2.Explain project architecture. 3.What is Spring? 4.Types of Join?Explain in brief? 5 What is Virtual Memory without secondary storage? 6.Implementation Of Indexof method(code written behind (indexof)? 7.Puzzle of Equilateral Triangle? 8. Code of reversal of doubly Linked list?

45	Cybage	<p>9.Collections Hierarchy</p> <p>10.Queries used in project?</p> <p>11.what is Ajax and its Implementation?</p> <p>12.Database queries?</p> <p>13.Hibernate Annotations?</p> <p>14.Code written in spring-servlet.xml.</p> <p>15.What is Garbage Collector?</p> <p>16.Why c/c++ programs are more faster than java programs?</p> <p>17.basic questions of javascript?</p>
46	Cybage	<p>1.Details about comparable and comparator,Write code.</p> <p>2.Write code for compareTo method-what does this method returns. what if it returns Object?</p> <p>2.Explain Project in detail.</p> <p>3.Palindrome,prime no,String Reverse code.</p> <p>4.Exception hierarchy-checked and unchecked Exceptions.</p> <p>5.Real life usage of List(Collection Hierarchy)</p> <p>6.Difference between ArrayList,LinkedList, Vector.</p> <p>7.MVC Architecture in detail</p> <p>8.One to Many and Many to many Mapping-code,where to write these lines.</p> <p>9.usage of equal to(==) operator and .equals method.</p> <p>10.what is AOP?</p> <p>11.Servlet Lifecycle.</p> <p>12.Try with resources.</p> <p>13.New features of Java 8.</p> <p>14.can we write final variable in interface?</p> <p>15.can we write private getters and setters?how?</p> <p>16.Recursive functions.</p>

1) Explain Your Project.

Question asked on project about queries and database.

Security in Project.

Api used in Project.

2) Explain OOPs Concept with real time example and practical examples.

3) Questions asked on Polymorphism, snippets and twisters.

4) Exception handled in project.

5) Spring mvc architecture.

6) Program to print two highest number from given array.

7) Convert binary to decimal, octal to decimal.

8) Program to write table in recursion.

9) Questions on Strings

10) Why string is immutable

11) How string is stored in java.

12) String s1="abc";

String s2 = "xyz";

String s3 = new String("abc");

String s4 = new String("xyz");

s1==s3 //output
s2.equals(s4)//output

String s5 = s3;

s5==s3//output
s5.equals(s3);

13) what is difference between OOPS and POP

14)HashMap and Hashcode

15)what do you know about cloud?

16) Static Keyword

17)Final Keyword

18)wait, notify, notify all difference

19)features of java 8.

20)Thread Life Cycle - How many ways you can implement thread

Describe your project, internals of arraylist(default size, what happens exactly when you trying to insert 11 element)

internal working of hashmap,

why we use javascript, write one code in javascript,

can we write onclick/onblur etc functions in another file,

describe your whole database which you design in your project,

48	Cybage	<p>oops concept which you are used in your project and how if required write code for that concept(not give any real world example tell me with respect to your project only),</p> <p>javascript is server side or client side,</p> <p>diff between abstract class and interface write down syntax of interface,</p> <p>final- finalize,</p> <p>arraylist random interface,</p> <p>Exception and write code for any runtime exception and custom exception,</p> <p>ajax,</p> <p>difference between delete and truncate,</p> <p>stored procedure and stored function,</p> <p>how to return parameter from stored procedure,</p> <p>function overloading and function overriding.</p>
49	Cybage	<ol style="list-style-type: none"> 1. Explain your project? :(Online Book Store) 2. Project Database and queries? :(list of books having prices higher than 100) 3. Explain OOPs concept? :(Abstraction, Encapsulation, polymorphism, inheritance) 4. Difference between overloading and overriding? :(methods with same name and different prototype or signature) :(in inheritance if the two classes have methods with same name and same prototype) 5. Types of inheritance?() 6. If there is derived class inherited from two base classes(multiple Inheritance). Base classes having same methods then what will happen? :(ambiguity) <p>Note:- Try to practice coding on HackerEarth or HackerRank (sites).</p>
		<ol style="list-style-type: none"> 1. Questions about previous experience (in my case - Android, C# .Net , PHP) 2. Details about java language 3. Java OOPS concepts 3. Project Architecture diagram

50	Cybage	<p>4. Case - If we want to make an android application for your project ? How ?</p> <p>5. Collection Framework (JAVA)</p> <p>6. Project database architecture</p> <p>7. Verification of solutions given for company's written test</p> <p>8. Any better solution than current given solution (Java script - password verification using string ,regex)</p>
51	Cybage	Hibernet XML file ,All the annotation of hibernate,Advantage of Hibernate,Use of Pre-define method in Hibernate
52	DESSAULT SYSTEM	Insert a node at any position in linklist , Difference between hashmap and hashtable,Exception hireache ,Real Time Example of DeadLock,Puzzle of 5 Liter and 3 liter Mug,
53	KPIT	<p>KPIT</p> <p>1. OOPS Concepts with real world examples.</p> <p>2. Difference between operator overloading and overriding with program.</p> <p>3. Project in detail.</p> <p>4. Spring architecture in detail.</p> <p>5. Different annotations in project.</p> <p>6. Exception Architecture in detail.</p> <p>7. Program of inheritance.</p> <p>8. What is Singleton Class and where it is used.</p> <p>9. What is static keyword.Can we override static functions.</p>
		<p>1: Online Aptitude Test</p> <p>General Aptitude+ Technical aptitude with snippets.</p> <p>2: Face to face Technical Interview</p> <p>Questions:</p> <p>Introduce yourself.</p> <p>What were your academic projects?(BE and ME and PD DAC)- (ask interviewer to let you explain the DAC project and if he says yes, explain whole project with diagrams, DB design and one of the implemented functions with details and code)</p> <p>DBT-</p> <p>types of joins,</p> <p>what are triggers,</p>

54	Cybage Software Private Limited	<p>explain indexes and types of indexes, constraints.</p> <p>(you may be asked to write a query based on given tables)</p> <p>JAVA-</p> <p>Main method overloading in java(Possible or not)?</p> <p>What is singleton class?</p> <p>OOPS concepts with examples.</p> <p>Explain each concept with real time example.</p> <p>What is static and dynamic binding?</p> <p>Interfaces and abstract classes,</p> <p>JAVA 8 features.</p> <p>Collection tree in details</p> <p>Exception handling and details</p> <p>C#</p> <p>Basics</p> <p>Diff between JAVA and C#</p> <p>Events delegates</p>
55	Cybage	<ol style="list-style-type: none"> 1. OOPS Concepts with real world examples. 2. Difference between operator overloading and overriding with program. 3. Difference between throw and throws. 4. Difference between primary key and unique key. 5. Spring architecture in detail. 6. Explanation of cdac project in detail and all database relationship. 7. Different annotations in project. 8. Exception Architecture in detail. 9. Types of multithreading. 10. What is Interface. 11. In Multithreading whether we should extend thread class or implement runnable interface. 11. Explain in detail collection framework in detail. 12. Different type of joins.

		<p>13. Stack and queue with real world examples(DFS and BFS).</p> <p>14. Program to find the second highest number in array.</p> <p>15. Difference between truncate and delete.</p> <p>16. Difference between having clause and where clause.</p> <p>17. What is Singleton Class and where it is used.</p> <p>18. PUZZLE- there are 9 balls out of which 8 balls have same weight and one ball have less weight. You have to find the particular less weight ball in minimum steps .</p> <p>19. What is static keyword.Can we override static functions.</p>
56	Medtronics	<p>1) oops all concept</p> <p>2)sql queries</p> <p>3)final keyword</p> <p>4)abstract vs interface</p> <p>5) way to achieve multiple inheritance in java</p> <p>6)why hibernate?</p> <p>7)15 snippets of java</p> <p>8)multithreading</p>
57	Verifone	<p>1) Support files in MVC (spring).</p> <p>2) Object states in Hibernate.</p> <p>3) Basic annotations in Java project.</p> <p>4) Can class be made static?(java)</p> <p>5) Is there overriding in static methods, if yes explain?(Java)(Ans: method-hiding)</p> <p>6) Explain method signature in c++.</p> <p>7) What is Polymorphism?</p>
58	Cybage	<p>Technical interview:</p> <p>1) Cdac Whole project(database structure and mapping)</p> <p>2) Oops all concept(more on polymorphism)</p> <p>3) Abstract vs interface</p> <p>4) Sql questions(index,procedure,joins)</p> <p>5) 3-4 questions on static(vaiaable,static method,class)</p> <p>6) Servlet context vs servlet config</p> <p>7) Pattern code (simple)</p>

		8) Sql queries
59	Siemens	Data Visualization Questions,SQL Quries,Hadoop Installation Procedure,Live Data Analysis,
60	Cybage	1.Database structure of project. 2.inner & outer joins. 3.Java collection. 4.OOPS concept. 5.which software methodology you have used for project. 6.http methods. 7.Is servlet serializable. 8.what is procedure. 9.Difference between overloading and overriding. 10.types of inheritance. 11.how to convert an array in arraylist. 12.Logic to find missing card from set of playing cards without iterating.
61	KlingelInberg	1.detail description about projects. 2.Types of joins. 3.oops concept. 4. difference between abstract class and interface. 5.singleton class.
62	Cybage Software	Spring mvc flow, Exception handling, Join Queries(used in project) Spring Annotation Hibernate Annotation Project Flow Database Foreign Key Concepts Linked List Manipulation Servlet Context,Servlet Config difference .net architechture, What is GAC?

62	Cybage Software	What is GUID? What is difference between break,continue? Javascript Validation? Angular selector? Which angular version have you used? why? Typescript ? Immutable Class? Indexer? Client Server Architecture? Html tags Json Basics
63	cybage software pvt ltd	1.oop concepts 2.database queries 3.singly, doubly linked list program 4.abstract class 5.static 6. final, finally finalize 7.spring 8.hashmap code 9.collection framework 10.what is mvc? 11.what is serialization?
64	Cybage	1.DAC project 2.OOPS concept 3.difference between abstraction and interface 4.joins in database,cursors,procedures,triggers 5.basics of javascript 6.difference between break and continue 7. difference between while and do while
65	Cybage	DAC project, BE project (both in details) OOPS concepts and examples SQL joins on 3 tables
66	Cybage	database structure of project
		OOP Concept About project(project flow,database)

67	Cybage	database connectivity DS Code- sorting, tree traversal, binary search C code of string function difference between string , string Buffer
68	Cybage	oops ,database queries,About Project,c Basic Codes(Array,String),java Basic Concept,.Net Questions
69	Cybage	About project, OOPS concept , Database Queries, Programs
70	Cybage	Explain OOP concepts with real time example. what is JVM? How we can achieve encapsulation in program? Different types of Joins in database with example. Explain page life cycle. Is java supports multiple inheritance? What is jagged array? What is use of lambda expression? Explain LINQ . Write program for traversing array elements. What is trigger in database ? What is main purpose of POCO class?
71	RelFor Labs pvt ltd	merge sort?(pseudo code) database normalization (all forms explanation) spring mvc life cycle? different joins in database? program to find out whether linkedlist is circular or not? cdac and be project spring annotations spring scope jsp page scope multithreading in java string operations and all string fuctions in java program to replace mumbai word with the pune in give sentence? (c program)

72	Cybage Software Pvt Ltd	<p>OOPs concept,with practical examples</p> <p>Data Structure-1>Linked list,Queue-code,n with diagram explain how it works</p> <p>2>Sorting algorithms-Write code for selection sort,quick sort</p> <p>Project-Find the user who has ordered the most books</p> <p>Authentication,Authorization-How did you apply it in your project</p> <p>Spring security</p> <p>What is Dependency injection?</p> <p>What is Autowiring how do you apply using both Annotation and XML?</p> <p>What are aggregate functions?</p> <p>Front end in project-JSP code to iterate list</p> <p>What is groupby function?</p> <p>Javascript code for email validation.</p>
		<p>Regarding project?</p> <p>Explain technology properly that has been used?</p> <p>Real life examples of overloading and overriding?</p> <p>cpp concepts?</p> <p>oops concepts?</p> <p>dbms joins?</p> <p>dbms triggers?</p> <p>difference between stored procedures and functions?</p>

how data is transfered between views and controllers?

how data is transfered between controller to controller?

Multithreading and Exceptions?

Spring beans, Spring ioc and dependency injection?

data structure algorithms?

page life cycle of asp.net?

Explain ado.net?

implicit jsp objects?

Servlet and jsp life cycle?

difference between jquery and javascript?

difference between interfaces and abstract classes?

when group by and having clauses are used in dbms?

difference between css and html?

how thread can be created (runnable, callable, thread class)

Regarding project?

Explain technology properly that has been used?

Real life examples of overloading and overriding?

cpp concepts?

oops concepts?

dbms joins?

dbms triggers?

difference between stored procedures and functions?

how data is transfered between views and controllers?

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data structure algorithms?

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Explain ado.net?

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Servlet and jsp life cycle?

difference between jquery and javascript?

difference between interfaces and abstract classes?

		<p>when group by and having clauses are used in dbms?</p> <p>difference between css and html?</p>
75	Amdocs	<p>Basic concepts of c?</p> <p>Storage classes.</p> <p>can we write a program in c without main function?</p> <p>where we use static?</p> <p>String functions in c?</p> <p>what is oops?</p> <p>oops concepts with example.</p> <p>nested classes?</p> <p>difference betn inheritance and containment.</p> <p>why java not supports multiple inheritance?</p> <p>where we use interface?</p> <p>collection in java.</p> <p>hashmap and hashset with real time example.</p> <p>internal working of hashmap and hashset?</p> <p>poject database with details?</p> <p>project dataflow that how your data flows from frontend,backend and database?</p>
76	HSBC	<p>Explain your Project Architecture ?</p> <p>Write program to insert node into linked List at position?</p> <p>Write MySQL Query To display Employee Name whose Department Name is Sales.</p> <p>Explain Shallow Copy and Deep Copy?</p> <p>Explain the Four Major pillars of OOPS?</p> <p>Write a C program to find Smallest number in Array?</p> <p>Project description?</p> <p>Project flow?</p>

		<p>Project DB along with it's connection?</p> <p>How you implements inheritance in your project?</p> <p>No. Reverse program?</p> <p>Dml queries in project?</p> <p>Linux commands?</p> <p>SQL queries ?</p> <p>Java snippets etc etc..?</p>
77	HSBC	<p>Java-IDE,ellipse,jvm,jre,jdk,server and client</p> <p>Web server and app server</p> <p>Ecllipse inbuild server</p> <p>Ops with real life exmple</p> <p>Why java?advntge over .net</p> <p>Ds-what is Ds</p> <p>Algorithm of DS</p> <p>Types of searching</p> <p>Prequistis for binary search</p> <p>How binary search works?</p> <p>Diff between binary and linear</p> <p>Explain each sort..and ur fav sort and why..?</p> <p>Puzzle-I have 5 horses and i want to find fastest horse,condition-only 3 horse can run in one race .How many races u will need to find fastest horse?</p> <p>And which datastructure u applied to solve this puzzle..??</p> <p>Project-Overall flow with architecture with databse,</p> <p>Request processing and working of each request?</p> <p>Database-Why procedure</p> <p>Diff between Procedure and Functions</p> <p>5th highest Salary</p> <p>Cursors?</p>

		Constraints?
78	HSBC/SEimens	<p>Why data structure?</p> <p>explain real time exmple of GRAPH and TREE.</p> <p>TREE AND THEIR CLASSIFICATION.</p> <p>OOPS CONCEPTS.</p> <p>Exception Handling. Unchecked And Checked with examples.</p> <p>Why IT career?</p> <p>Ad project???</p> <p>from where idea came to mind??</p> <p>Virtual functions?</p> <p>Memory management in CPP?</p> <p>Smart pointers</p>
79	HSBC	<p>What is oops?</p> <p>What is database?</p> <p>Why database?</p> <p>types of db?</p> <p>Types of PL/sql commands</p> <p>types of db you use?</p> <p>delete and truncate difference?</p> <p>how to limit particular queries?</p> <p>java..features of java 8?</p> <p>hibernate framework</p> <p>why spring</p> <p>how to implement?</p> <p>implementation of oops in your project?</p> <p>interfaces in java?</p> <p>what is data structures?</p>

		linked list:insertion,deletion,updation
80	HSBC	<p>What is data hiding?</p> <p>Diff between Data hiding and Abstraction?</p> <p>Composition in classes</p> <p>Why arraylist instead of array</p> <p>Use of</p> <p>*static class</p> <p>*static method</p> <p>*static constructor</p> <p>Can constructor be overloaded or overridden?</p> <p>Garbage collector (generation level)</p> <p>Implicit servlet objects</p> <p>Forward n include method</p> <p>Hibernate life cycle</p> <p>Spring architecture</p> <p>C# Questions</p> <p>Visibility of classes in packages n outside</p> <p>Linq</p> <p>Anonymous classes</p> <p>Anonymous methods</p> <p>Nested classes</p> <p>Class withing method</p> <p>Mvc flow</p> <p>Use of</p> <p>*global.asax file</p> <p>*rounting.js</p> <p>Connected and Disconnected Ado.Net</p> <p>Database questions:</p>

	<p>Joins n types</p> <p>Stores Procedure and function</p> <p>Cursors and its uses</p> <p>JavaScript Questions :</p> <p>Client side vs server side</p> <p>Form validation at client side with example</p> <p>Form validation at server side with example.</p>
	<p>Hello guys,</p> <p>I am Yogesh Bhujabal.</p> <p>I got placed in TransFast India pvt.ltd. with a package of 4 lakhs/annum.</p> <p>There were 3 rounds :</p> <p>1. Technical Aptitude Test –</p> <p>1) There were questions on logical codes(average without division operator) we had to write either program or the algo of it, OOPS concepts questions.</p> <p>2) For another company they asked technical as well as aptitude questions.</p> <p>2. First Technical Interview –</p> <ul style="list-style-type: none"> • MS.Net , javascript, jquery, AJAX, C#, DBT. • What is OOP, Major pillars of OOPS. • String reverse without in built functions. • Self join i.e. employee and managers. • What are web services, REST API vs SOAP • Overriding and its use with ActionResult, JsonResult • What is Route.config and how to restrict the page access to a user • Exceptional handling • Constant vs ReadOnly • Finally they asked do you have any questions then asked about their website i.e. signup form

3. Second Technical Interview –

- Tell me about yourself and your family background.
- Here I explained 3 projects Masters, PGDAC project and Shopping Cart
- There is a random number between 0 to 100 in my mind you have to guess that programmatically(only logic they checked)

Ans.:

First ask no is greater than 50 or less, if greater then check for range upto $50/2 = 25$ ahead i.e. for 75 above and below and so on..

If less than 50 then 25 above or below(Similar to binary search)

- Last occurrence of a substring without inbuilt function
- What would you like to work on Front End or Back End?
- Favorite subject or faculty Ans.: Vishal Jagtap Sir
- He asked do you have any questions then asked about their website i.e. signup form why only 2 fields in signup form and what will be my role?

4. Managerial Round –

- Tell me about yourself and your family background.
- Feedback of last 2 rounds was good so he told the same and explained me the details of joining.

Attend Narendra sir's interview, Vishal Sir's Lectures also and give equal importance to DOTNET as well

Most asked subjects were

1. CPP
2. DS
3. ANGULAR, JS, JQuery, AJAX
4. MS.NET

Wish you all a very good luck and be focused and be consistent throughout. And listen to whatever your faculties are telling you time to time.

82	Capgemini	<p>Aptitude, Logical and English Essay Writing in 200-250 words</p> <p>Advanced Java MCQ's</p> <p>Telephonic Round to check the communication skills</p> <p>HR round</p> <p>-Prepare well about CDAC and B.Tech Projects</p>
83	capgemini	<p>Introduce yourself which is not mentioned in your resume?</p> <p>Explain oops concept?</p> <p>Write String reverse program?</p> <p>Write String program insert special character and reverse that string without any deviation in position of that special character?</p> <p>(like shobh@it o/p tihbo@hs)</p> <p>Given some snippet of inheritance and polymorphism.</p>
84	Siemens Tech	<p>polymorphism(virtual table),virtual destructor,prime no code,oops concept,oops in project,why oops,smart pointers,standard template library</p>
85	KPIT	<ol style="list-style-type: none"> 1. Tell me about yourself? 2. 2 problem statement were given and we have to write code on that 3. Polymorphism code 4. Pattern program 5. OOPS concept based on surrounding things 6. Pointer concepts size of pointer in 32 and 64 bit 7. Virtual table?Working of virtual table based on program 8. Virtual constructor,Virtual destructor 9. Copy constructor and its types 10. Can we call copy constructor explicitly 11. Deep copy,Shallow copy and its difference 12. Storage classes 13. Abstract class and its use 14. Static keyword,Static members 15. What is diamond problem 16. Solution to diamond problem 17. When and how destructor is called

		18. What is the role of garbage collector 19. Which method is called first defined or constant
86	CDAC R&D	1)brief descripton of DAC project. 2)why you use springFramework and Hibernate? 3)can we override Static method. 4)Explain ER-diagram and use cases and draw it. 5)Types of Joins and explain it 6)features of oops. 7)how can we download any file using java? 8)Features of Spring and Hibernate 9)Questions on RDBMS and DBMS.
87	TransFast	1] C vs C# 2] Inumerable vs Iqueryable 3] Garbage Collection in detail : most imp 4] MVC Routing in detail:Most imp 5] boxing vs unboxing 6] mvc page lifecycle 6] asp.net page lifecycle events 7] linq query in project 8] tables in projects 9] second highest salary in table 10] lambda expression 11] finialize vs dispose 12] write custom route in mvc according to given situtation 13] asp.net mvc everything 14] acid propertise implemented project 16] state managment at both client and serverside 17] supressfinilize() explain 18] best place to create connection object and why,is it constructor ? 19] delegate:imp

		<p>20] ado.net code for join</p> <p>21] interface ,abstract class,inheritance</p> <p>22] typecasting according to given situation</p> <p>23] webform vs mvc in every situation</p>
88	Reflexis Systems Pvt. Ltd.	<p>1. Project description.</p> <p>2. Angular 2 and above</p> <p>3. what is RESTful API</p> <p>4. Spring basic concepts like IOC,AOP,DI</p> <p>5. Hibernate dialect, HQL queries.</p> <p>6. JSON format in request and response as well in your project.</p> <p>7.What are annotations and how you have implemented in your project. Advantages over XML.</p> <p>8.Write code for your project which has two way data binding in angular5 and send request in json format and how you have handled it by RESTful API's and responded.</p> <p>9. Email regular expression in your angular 2.</p> <p>10.http request through angular 2.</p> <p>11.write code for Controllers in your project using annotations.</p> <p>12.What is JVM.</p> <p>13.ServletConfig,ServletContext.</p> <p>14.How many ServletConfig and ServletContext, if your application has 4 JVM and 2 servlets in each JVM?</p> <p>15.Input:arr1={1,2,4,3}</p> <p>arr2={3,4,5,1,2}</p> <p>find the odd term from two arrays by traversing each array only once but not nested.</p> <p>output=5</p> <p>16.Write code to implement OOPS concepts for "Car" object.</p> <p>17.Write a query to display 2nd highest salary of employee without using rownum,limit.</p> <p>18.Why you have used spring boot for your project and which version did you use of spring boot,spring and hibernate.</p> <p>19.Collections Hierarchy explain in detail.</p> <p>20.Can class file compiled in java runs in linux if why explain?</p> <p>21.Transaction management in spring?</p>

		<p>22. Print the number which are from 10-99 in words Example: 45 should be printed as "Forty five" without using switch case.</p> <p>23. What are angular directives and what they mean?</p>
89	vConstruct Private Limited	<ul style="list-style-type: none"> • Tell me about project • Draw table structure of your project and explain primary key and foreign keys • What is index? Use of index? Types of index? • Views? it's type and uses • Difference between primary key and unique? • Write a query to find second max salary in table • Write same query without using limit • What is difference between analytical function and grouping function? • There are two table. one id department table(deptid,deptname,location) and second is sales table(salesid,deptid,salesamount). Find department which is not present in sales table • What is join? It's type • Difference between inner join and outer join • Write program for string palindrome • Puzzle- there are 10 bottles. Out of them 9 are having 1gram weight and one with 1.1 gram weight. There is a weighing and you can weight only once. Find out that bottle with 1.1 gram weight out of 10 bottle
		<p>Name of the company : Bentley System India Pvt. Ltd. (Product based) (Requirement for : C, C#, ASP.NET, Oracle SQL) (Package : 4.5L)</p> <p>Round 1: Quant + Logical + English + Technical. (Easy) (Test From Home)</p> <p>I. Quant : Boat & stream, train, %, Profit & loss, Time and work, clock.</p> <p>II. Logical : Blood relations, Series.</p> <p>III. English: Paragraphs 2, Grammar.</p> <p>IV. Technical: C, C++, DS(Stack, Queue, linked list,).</p> <p>Round 2: Group Discussion. (Topic – Effect of cinema on youth)</p> <p>Each group member has one chance to speak.</p> <p>I got point because of proper opening of group discussion.</p> <p>5 of 10 got selected.</p> <p>Round 2: Level 1 Technical Interview. (2 Persons in the panel)</p> <p>1. Tell me about yourself?</p>

2. I had given the 1 program: Addition of the digits.
 3. Tell me brief about the CDAC project..
 4. Which technology used ?
 5. You have 3 members in the project group, Which part of ur project you did in the project?
 6. Tell me the types of the joins that are present in the SQL and how they works?
 7. C++ code is given in the snippet?
- Code contains the Macro for the squaring the number Which is called in the following way..

```
Int I;  
I= 64/square(4);  
Printf(i);
```

What will be the output?

How this code works?

Can we say that the macro calls and function calls are the same?

8. Now discussion came towards the basic oops concept?

Tell me the Oop Pillars?

Abstraction, Polymorphism, encapsulation, Inheritance.

They given the code and told me where the all above used in the code.

Tell me the realtime example of all of above.

9. Following code is given...

```
class A{  
public show();  
}  
Class B : class A{  
Public show(); <- colon used means, it is c++ code not java as it is c++ code requies virtual  
keyword to make it polymorphic.  
}
```

Which function will get call??

A a = new A(); a.show();

B b = new B(); b.show();

A a = new B(); a.show();

B b = new A(); b.show();

Round 3: Level 2 Technical Interview. (3 Persons in the panel)

1. Tell me about yourself?
2. Tell me about CDAC project, which technology used, why you choosed this topic as the project topic?
3. Tell me the BE project? Which technology?
4. Have you heard about IOT? What is it?
5. What is SQL?
6. Tell me joins?
7. Sql triggers?
8. What is NoSQL?
9. Have you learnt mongoDB ? (yes) what is it Tell me the difference between mongoDB and SQL?
10. Now Asked about OOPS concept?
11. Have u used Javascript??yes
12. Which javascript library you used in your project?JQuery
13. Have you heard about javascript MVC framework??
14. What is angularJS?? And what is MVC??
15. What is nodejs and why??
16. What is cloud??
17. Where data is stored?? How it works??
18. How you added security in your CDAC project??
19. What is IOT ??and how it works??
20. Now interviewer said to another member to ask question...

Puzzel 1:

	<p>u have two circles..each of them is of 5 cm radius.tell me, when they were tangent, collapsed, and away far to each other..</p> <p>(I was get the question but I don't have answer..... I told 'I did not get your question'....)</p> <p>Interviewer told me through the diagrams.... Now I got clues</p> <p>I told the correct answer.</p> <p>21. Tell me the name of the technology which you have very much interst..</p> <p>Ans-> it's not all about interest I am technology learner. I will learn technology..and will start working on it..</p> <p>Round 4: (One person)</p> <ol style="list-style-type: none"> 1. Tell me abt yourself? 2. Have you participated in any coddng competition? 3. One Code is given: 3779 is a prime number. It is truncated from right or left side the remaining will be the prime number.... Find such a 11 number which are truncatable add show the addition.. 1,3,5,7 are not truncatable..write the code to do this... <p>Round 5: HR Round..</p> <ol style="list-style-type: none"> 1. Tell me abt yourself? 2. Strength 3. Weakness 4. What your friends will tell about you,, If I ask to them about you? 5. Which type of person you are??
	<p>Name :VaibhavTrimbakShelar</p> <p>Name of the company : Bentley System India Pvt. Ltd. (Product based) (Requirement for : C, C#, ASP.NET, Oracle SQL) (Package : 4.5L)</p> <p>Round 1: Quant + Logical + English + Technical. (Easy) (Test From Home)</p> <ol style="list-style-type: none"> I. Quant : Boat & stream, train, %, Profit & loss, Time and work, clock. II. Logical : Blood relations, Series. III. English: Paragraphs 2, Grammar. IV. Technical: C, C++, DS(Stack, Queue, linked list,).

Round 2: Group Discussion. (Topic – Effect of cinema on youth)

Each group member has one chance to speak.

I got point because of proper opening of group discussion.

5 of 10 got selected.

Round 2: Level 1 Technical Interview. (2 Persons in the panel)

1. Tell me about yourself?

2. I had given the 1 program: Addition of the digits.

While I writing the program panel interrupted many times and asked the questions.

Some of them are.

What was the title of your CDAC project?

BE project, Which technology u used ?

Finally I wrote the correct program.

3. Tell me brief about the CDAC project..

4. Which technology used ?

5. You have 3 members in the project group, Which part of ur project you did in the project?

Ans : I did the back end part using hibernate (I told this to move discussion towards the SQL and hibernate part which I was prepared).

6. Tell me the types of the joins that are present in the SQL and how they works?

7. C++ code is given in the snippet?

Code contains the Macro for the squaring the number Which is called in the following way..

```
Int I;
```

```
I= 64/square(4);
```

```
Printf(i);
```

What will be the output?

How this code works?

Can we say that the macro calls and function calls are the same?

8. Now discussion came towards the basic oops concept?

Tell me the Oop Pillars?

Abstraction, Polymorphism, encapsulation, Inheritance.

They given the code and told me where the all above used in the code.

Tell me the realtime example of all of above.

One of them is that I was told: when you go to the bank, you are not directly accessible to the your money(Data Members) even your money present there, which was hidden inside the lock it is not accessible to you directly that is nothing but hiding. Cash counter (Functions) is there to access your money. That's it functions and data members binded together that is the encapsulation. Polymorphism nothing but the one action can be taken in the different way.

9. Following code is given...

```
class A{  
public show();  
}
```

```
Class B : class A{
```

```
Public show(); <- colon used means, it is c++ code not java as it is c++ code requies virtual  
keyword to make it polymorphic.
```

```
}
```

Which function will get call??

```
A a = new A(); a.show();
```

```
B b = new B(); b.show();
```

```
A a = new B(); a.show();
```

```
B b = new A(); b.show();
```

Round 3: Level 2 Technical Interview. (3 Persons in the panel)

1. Tell me about yourself?

2. Tell me abtur CDAC project, which technology used, why you choosed this topic as the project topic?

3. Tell me the BE project? Which technology?

4. Have you heard abt IOT? What is it?

5. What is SQL?

6. Tell me joins?

7. Sql triggers?

8. What is NoSQL?
9. Have you learnt mongoDB ? (yes) what is it Tell me the difference btwnmongoDB and SQL?
10. Is it possible to store three values in the database ? (Previously I was told MogoDB stores the data in key value pair. Thas why I got the same question) (I was not sure abt the answer that time, so to move discussion I quietly stopped in the discussion. Smartly asked "In which type of the database?"Interviewer -> "SQL" it's hahaha for me that time. "I told yes it is possible..").
11. Now Askedbout OOPS concept?
12. Have u used Javascript??yes
13. Which javascript library you used in your project?JQuery
14. Have you heard abtjavascript MVC framework?? (10 sec I stoped..thoughted.. I diid not got answer in mind).
15. What is angularJS?? And what is MVC?? (I got the answer of previous question..)
16. What Isnodejs and why??
17. Vaibhav which type of phone are using ?? (Samsung)
18. Version?? (Samsung GT7582)
19. Which os? (Android)
20. Version? (4.2 Jelly Bean)
21. Latest version of android ?? ((I)Orange,.....(INT) Are u sure???.....(I) Yes..... thinkagain.. (Correct Answer was Oreo)).
22. What is cloud??
23. Where data is stored?? How it works??
24. How you added security in your CDAC project?? (I told, I added the SSL certificate in my project.... Interviewer quietly surprised and asked me What is SSL. I confidently said all things about SSL.. what, why, how, cryptography, public-private keys all these things)
25. So tell me MD5 and SHA..difference?? (I told very confidently)
26. What is IOT ??and how it works?? (Controlling Physical things through the internet That is internet if things.. Sensors and actuators..) (Question because of the BE Project)
27. Now interviewer said to another member to ask question...

Puzzel 1:

Vaibhav, u have two circles..each of them is of 5 cm radius.tell me, when they were tangent, collapsed, and away far to each other..

(I was get the question but I don't have answer..... I told 'I did not get your question'....)

Interviewer told me through the diagrams.... Now I got clues

I told the correct answer.

Puzzel 2:

U have three bags..one contains apple apple.... 2nd contains Apple Orange... 3rd contains Orange, Orange..

All Apple oranges are miss labeled..choose one bag and choose one item from the bag.. label all Apples and Oranges correctly.

(I told I did not get your question.)

Now I get question with clue.....

Only I told I will choose one item form middle bag...

28. Tell me the name of the technology which you have very much interst..

Ans-> it's not all about interest I am technology learner. I will learn technology..and will start working on it..

29. (Hansshake) Thanks and welcome...

Round 4: (One person)

1. Tell me abt yourself?

2. Have you participated in any coddng competition?

3. One Code is given:

3779 is a prime number. It is truncated from right or left side the remaining will be the prime number.... Find such a 11 number which are truncatable add show the addition..

1,3,5,7 are not truncatable..write the code to do this...

Round 5: HR Round..

1. Tell me abt yourself?

2. Strength

3. Weakness

4. What your friends will tell about you,, If I ask to them about you?

5. Which type of person you are??

- Cpp code snippets.

92	GSLAB	<ul style="list-style-type: none"> • Codes like jdbc connectivity, insert node at particular location, return the highest concatenated number from array. • Views and write query to create view • All Linux commands • Networking concepts like- IP, Gateway, Firewall, Subnet Mask, DNS • Query for full outer join. • Collections and write code for TreeSet(Indirect Question) • Paging and Fragmentation • Views, Joins, Normalization • Difference between hashmap and hashtable? • Components of Database
93	Fidelity	<ul style="list-style-type: none"> • Draw table and ask to write query • To search in table faster what you used • You have AWP in your syllabus? What you learn(I said PHP,Javascript,JSON) • What is JSON? • Where you used JSON?(real time example) • What are linear data structure? • Real time examples of stack? • Join between 3 tables • What is inheritance and real time example of it? • Difference between throwable and exception? • Difference between hashmap and hashtable? • What are classes in collection? • Write a program to reverse string using one for loop? • Spring MVC? What is MVC? How you implemented in your project? • Write a program to find occurrence of characters in string?
		<p>Hello guys,</p> <p>I am Arava Sandeep.</p> <p>I got placed in Fidelity National Finance India with 4 lakh/annum.</p> <p>There were 3 rounds :</p> <p>1. Technical Aptitude Test –</p>

1) There were questions based on Java, MS.Net,c++ code snippets, OOPS concepts,C#, MYSQL Basic questions.

2. Technical Interview –

- MS.Net , javascript, C#, java, DBT, Project.
- What is OOP, Major pillars of OOPS.
- Built in string functions.
- Logic of programs.
- What is inheritance and write code to implement.
- Collections in java.
- Exceptional handling in java and asked me to write code to implement ArrayIndexOutOfBoundsException exception
- Wrapper classes, Marker Interface.
- Operating Systems Basic concepts(Scheduling Algorithm, Types of Operating System)
- Spring MVC architecture.
- Collections(mainly focus on HASHMAP),Hierarchy of Collections in detail, Exceptions.
- Joins concept in DBT.
- Programs on String.
- JSP.
- Delegates, sealed classes
- JIT compiler.

3. Managerial Round –

- Tell me about yourself and your family background.
- Will I be comfortable with the location.
- Why didn't you get placed in your previous interviews.
- Asked some basic HR questions.

	<p>Attend Narendra sirs interview properly it helped me to crack technical apti as well as Technical round.</p> <p>Carefully attend all the lectures specially C++ ,DS.</p> <p>Most asked subjects were</p> <ol style="list-style-type: none"> 1. CPP 2. DS 3. JAVA 4. MS.NET <p>All The Best Guys For Your Bright Future. Work Hard...!!:-)先</p> <p>Special thanks to IACSD who make my career bright...!!:-)</p>
	<p>Hello guys,</p> <p>I am Paritosh Tiwari.</p> <p>I got placed in Fidelity National Finance India with 4 lakh/annum.</p> <p>There were 3 rounds :</p> <ol style="list-style-type: none"> 1. Technical Aptitude Test – <p>1) There were questions based on Java, MS.Net,c++ code snippets, OOPS concepts,C#, MYSQL Basic questions.</p> <ol style="list-style-type: none"> 2. First Technical Interview – <ul style="list-style-type: none"> • MS.Net,jQuery,javascript,C#,java,DBT,Project. • What is OOP, Major pillars of OOPS. • Javascript functions. • jQuery why it is used. • Logic of programs. • What is inheritances, Polymorphism, Virtual Function. • Java Basic Concepts . • Wrapper classes, Marker Interface. • Operating Systems Basic concepts(Scheduling Algorithm, Types of Operating System)

- Spring with hibernate.
- Collections(mainly focus on HASHMAP),Hierarchy of Collections in detail, Exceptions.
- MYSQL queries on joins, Sub-Query.
- Concept of index,Triggers.
- Programs of String.
- JSP.
- Delegates, sealed classes etc.

3. Managerial Round –

- They asked me about my logical approach to a program.
- Will I be comfortable with the location.
- What is the meaning of my name and about my family background.

Attend Narendra sirs interview properly it helped me to crack technical apti as well as Technical round.

Carefully attend all the lectures specially C++ ,DS.

Most asked subjects were

1. CPP
2. DS
3. JAVA
4. MS.NET

All The Best Guys For Your Bright Future. Work Hard..!!:-)先

Special thanks to IACSD who make my career bright...!!:-)

1. Technical Aptitude
 - a. OOPs Concepts
 - b. Code Snippets on Java and CPP
 - c. DS
 - d. DBMS
 - e. String Programs

96	John Deere	<p>2. General Aptitude</p> <p>a. Time and Distance</p> <p>b. Profit and Loss</p> <p>c. Average</p> <p>d. Permutation and Combination</p> <p>e. Series</p> <p>3. Technical Interview</p> <p>a. About Project (Spring and Hibernate)</p> <p>b. OOPs Concepts</p> <p>c. DBMS Normalization</p> <p>d. Java Collection, Multi Threading, Abstract Classes and Interfaces</p> <p>e. Application based conceptual questions</p> <p>4. HR Interview</p> <p>a. About Myself</p> <p>b. My Interests</p> <p>c. Puzzles</p> <p>d. Weaknesses</p>
97	Varian	<ul style="list-style-type: none"> • Purely c ++ and Ds. • What is OOP, Major pillars of OOPS. • What is inheritances, Polymorphism, Virtual Function. • Java Basic Concepts . • Wrapper classes, Marker Interface. • Operating Systems Basic concepts(Scheduling Algorithm, Types of Operating System) • Spring with hibernate(Annotations). • Collections(mainly focus on HASHMAP),Hierarchy of Collections in detail, Exceptions. • MYSQL queries on joins, Sub-Query. • Concept of index,Triggers.

98	eInfochips	storage classes, basic on c, cpp and os, degree project in detail, stack program, recursion program with any example
99	Apconic software	1. project details 2. spring flow 3.cpp , oops basic 4.java basic 5.database basic 6.If you want to developed web app. what are the requirements ?.
100	einfochips	basics of c,c++ basic programs with recursion without recursion call by value,call by ref difference betn function and ptr constructor desctructor can we pass arguments to destructor virtual fun virtual table,virtual ptr inheritance polymorphism with example linked list all operations find middle of linked list database queries joins dac project BE project all the best
		1.Starting with my BE project (Major project)..? Ans: Explain everything in detail.As i am from Electronics background most of the questions is from semiconductor, what is CMOS ??,what is ripple carry binary counter??,prepare your project very well. 2.OS what is kernal...? what is scheduling..? 3.DBT Types of Query..?

101	Cybage pvt ltd.	<p>What is DML and DDL..?</p> <p>joins Query..?</p> <p>2nd height salary..?</p> <p>some groupby and having queries...?</p> <p>4.Data stucture</p> <p>singly linkedlist</p> <p>stack</p> <p>5.Testing</p> <p>What is Testing..?</p> <p>Test case of Water Bottle..?</p> <p>Test case of Pencil..?</p>
102	KPIT Technology	<p>Spring Mvc Architecture,Flow</p> <p>Dependancy Injection,loc,Aop in spring,</p> <p>Hibernate States,Architecture,Cache, Different Hibernate Methods,</p> <p>Application Context,Bean Factory in spring.</p>
		<p>CPP</p> <p>1)Explain OOPS?</p> <p>2)Function Overloading?</p> <p>3)Function Overriding?</p> <p>4)Virtual Table?</p> <p>5)Cross questioning on overloading and overriding?(Explained with memory diagrams)</p> <p>6)Program to find repeated number of characters in string?</p> <p>7)Program to replicate a matrices pattern with least time complexity?</p> <p>8)Polymorphism in detail (tried to confuse a lot)?</p> <p>DS</p> <p>1)Deleting a node in Circular Linked List</p>

- 2) Binary search and Linear Search code
- 3) Sorting Algorithms

DBT

- 1) Code for Trigger
- 2) Primary key-Foreign Key relationship
- 3) Right Join Query on two tables with explanation

SE

- 1) Explain SDLC and use?

OS

- 1) Explain Deadlock
- 2) Explain Synchronization

Java

- 1) Collections In deep
- 2) Life Cycle of a thread
- 3) Ways for synchronization
- 4) Explain multiple and multi level inheritance
- 5) what is abstract class?
- 6) what is interface?
- 7) difference between interface and abstract class and why use interface?
- 8) Can you create a object of interface?

Project

- 1) Explain Project
- 2) Why did you use hibernate?

Q1.-all questiones rereated project ?

104	HCL Technology	Q2- palindrom and compaire two arrays small programme . Q3-explain Spring framework? q4-oppo concept with example? q5-what is collection in java?
105	Saviant	1. Detail explanation of CDAC project. 2. Write query on tables included in CDAC project. 3. Difference between stored procedure and function. 4. Explain any 4 .net topics in detail. 5. Explain BE project.
106	KlingelInberg	linkedlist insertion operation write a program to separate tokens of a string pattern programs string palindrome program cdac+engineering project
107	Cassiopae	1.mvc and spring framework 2.session flow 3.jsp lifecycle 4.jsp tag library 5.code snippets on collections 6.drawback of singleton design patterns 7.design patterns 8.dispatcher servlet 9.jsf 10.threading basic codes and difference between notify and notifyall 11.custom exceptions and diff between throw and throws 12.sample bean.xml code in spring 13.garbage collection 14.what is hashCode and implementation of equals method. 15.string reverse code
		1.Tell me about Spring architecture

108	Cassiopae	2.Difference between Session.load and session.get 3.Design patterns 4.Singlton Design pattern 5.PrepareStatement in JDBC 6.Difference between Hashtable and Hashmap 7.Write filter in web.xml 8.Load on startup in web.xml 9.Oops concept 10.Why interface? 11.JSTL tag library
109	precient	Why cdac? function overloading? function Overriding? Inheritance types? Runtime Polymorphism? Puzzles?
110	cybage	Dac project in detail table structure,primary key in all table,operator overloading code for ++ operator,virtual keyword,BE project, interface
111	Hyundai Mobis	First Round : Aptitude Second Round: Technical Interview Question 1: Asked About My BE project Which was implemented in MATLAB and C. Question 2: Opp's Concept (Give answer with real time example) Question 3: Database Queries Question 4: Spring MVC Second Round: Question 1: Concept of operating System. Question 2:Desing the database project of employee attendance .on Which column Employees Should have access and HR also. Question 3 :Difference between Constructor and destructor

		<p>Question 4: Array program for reversing Number.</p> <p>Third Round (Hr) What you have done in 1 and half year before joining CDAC.</p> <p>Forth Round (Project PPT presentation) Question 1: Why you don't complaint about your partner if she didn't contribute for project. Question 2: Difficulties in project how you overcome it. Question 3: Which database you used in your project and how you manage the database, what is the memory required for it. Question 4:Existing System Drawbacks and how you improve it .</p>
112	Cassiopae	<p>1) Difference between HashMap and HashTable. 2) Will finally get executed? try{ ----- return 0; } catch{ ----- } finally{ }</p> <p>3) Which collection has synchronization? 4) Write down the code of hibernate for your project. 5) What is spring framework?</p>
113	Ytre	<p>1) Write down the program to print all leaf nodes of BST. 2) write program to derive following - input: "Welcome to cdac , welcome to iacsd. " output: "Welcome to cdac, welcome to iacsd." Note: There are two blank spaces between words.</p>
		<p>1) Tell me about your project. 2) Write down the queries to fetch data from your database into the project.</p>

114	sapiense	<p>3) Why did you choose JAVA as a technology?</p> <p>4) String pool concept.</p> <p>5) Function to print the linked list elements.</p>
115	Prorigo	<p>Can we have static class?</p> <p>Can we have constructor in static class?</p> <p>Can we have private private class?</p> <p>What will b the scope of public instance variable if we write class without access specifier ?</p> <p>What are httphandlers and module?</p> <p>What is reflection give examples where we used reflection?(write code and explaining)</p> <p>How to do state management? explain its need.</p> <p>Can we store sessions if clients browser have cookies disabled?</p> <p>What are un-managed resources? give examples.</p> <p>When should go for idisposable interface?Does it have any impact on generations of garbage collector?</p> <p>What to get auto-generated queries for crud operations using select queries? (SqlCommandBuilder)?</p> <p>What are assembly?(explain .exe and dll here also tell abt shared and private assembly and its path in c drive)</p> <p>How to write function which will take as many parameters as we give input to it?(params [] or int [] with default value)</p> <p>What are generics?</p> <p>(expecting to explain generic functions which can take parameters of any datatypes eg. myfun <T>(T val1 , T val2))</p> <p>and generics in collection , how it helps for boxing unboxing.</p>
116	TIAA	<p>DAC & BE project,</p> <p>Collection,HashMap working,</p> <p>Hashtable,</p> <p>merge sort,</p> <p>linkedList,</p>

		<p>Database queries related to my dac project,</p> <p>reverse string using C++,</p> <p>OOPs concept with real time example & their code also.</p> <p>Do Collection Well with code and your Projects.</p>
117	Cybage, Pune	<p>What is association, composition & aggregation?</p> <p>What is hash code?</p> <p>What is vtable?</p> <p>Program to reverse string.</p> <p>What are the methods of object class?</p> <p>Which is the default class from which we extend any class?</p> <p>Draw architecture of your project.</p> <p>Logical que: Shape of drainage on road? Circle/ square? as a developer which will you choose?</p> <p>If we will not provide you any training and asked u to develop website, what will be your approach?</p>
118	Cybage	<p>BE project</p> <p>DAC project</p> <p>oops concept</p> <p>implementation of polymorphism in cpp and java</p> <p>types of polymorphism</p> <p>how to connect SQL database to Oracle database</p> <p>Singly linked list program</p> <p>factorial program</p> <p>virtual table</p>
119	Cybage	<p>What was your project in DAC? Your role in the project.</p> <p>Database tables in project, Relationship between tables.</p> <p>How many ways you can instantiate a class.</p> <p>Array and ArrayList difference.</p> <p>Why we use collection.</p> <p>set and list difference.</p> <p>int and Integer difference.</p>

		<p>How we can create custom exception.</p> <p>Joins.</p> <p>access modifiers in JAVA.</p> <p>methods of Object class.</p>
120	Cybage	<p>1>Technology you are comfortable with?</p> <p>2>What is Hibernate?</p> <p>3>Why we need Hibernate and advantages of using hibernate?</p> <p>4> How will you implement one to many and many to many relationship using hibernate?</p> <p>4>write a string program in which find the nu. of occurrence of every character in string</p> <p>5> what is AJAX?</p> <p>6> Advantages of using AJAX</p> <p>7>what is JavaScript?</p> <p>8>What are the advantages of using JavaScript?</p>
121	Cybage	<p>what is linked list.</p> <p>singly linked list reverse program.</p> <p>write a program to reverse an given array .</p> <p>what is polymorphism,what are its type.</p> <p>program to show run time polymorphism.</p> <p>what is stack and queue.</p> <p>program to swap two numbers without using third variable.</p>
122	Hyundai Mobis pvt Ltd, Hyderabad	<p>All basic programs on array- reverse,</p> <p>Find max & min,</p> <p>print alternate element from array,</p> <p>print every third element of array.</p>
123	DAC R&D HPC M&BA MIG GROU	<p>DAC Project in details.</p> <p>I was told to make some changes in the project and write down all classes which will be changed.</p> <p>B.E project in details.</p> <p>I have given a code to optimize the time complexity.</p> <p>They have given head node and i'll have to identify the linked list.</p> <p>doubly linked list implementation.</p>

		linked list reversal. JIT compiler.
124	Cybage Software Pvt. Ltd	1. describe your project. 2. linked traversal 3. collections in java 4. database queries related to joins. 5. why hibernate is used in your project. 6. dependency injection , Inversion of control. 7. Spring MVC flow 8. OOPS concept 9. serializable and externalisable All the Best ..Good Luck:)
125	Cybage Software Pvt. Ltd	1. What was your role in your DAC Project? 2. Which type of Collections(Java) have you used in your Project ? 3. How to sort the Hashset? 4. Database queries related to inner joins,outer join,procedures,triggers 5. Difference between arraylist and vector. 6. Java Architecture(JDK,JRE,JVM,JIT) 7. print prime numbers between 1-100(using recursion) 8. difference between hashset and hashtable,hashmap. 9. 5th highest salary of the employee. 10. oops concept. All the Best.Good Luck :)
126	Cybage	1-marge sort 2-doubly circular linked list 3-Project of Cdac also BE 4-arrays

		5-collection 6-Pass by value , Pass by reference 7-store student information in a linked list?
127	cybage	spring - hibernate flow, collection framework, why spring,
128	CYBAGE	what is difference between: 1. Hasmap and Hastable. 2. Vector and ArrayList. 3. define collection. 4. Linklist Operation. 5. Project in detail. 6. question on join 7. All oops Concept.
129	Cybage	DS, JAVA, CPP basic, Logical (Diagram base)
130	Bentley	Technical questions - 1) Explain CDAC , BE project. 2) Various questions on strings formations like WAP for multiple combinations of a given string. 3) Explain normalization applied in your cdac project. 4) Explain BE project with respect to Object orientation. 5) Basic geometry questions like draw shape of room, write co-ordinates for it, what co-ordinate system you will use, how will you identify if someone is standing outside of the room with its co-ordinates. 6) Write any program of your BE project. 7) What are the different containers you used in java, c#. HR questions - 1) Why did you change your field from electronics to IT. 2) Was getting an admission to CDAC your correct decision. 3) Apart from technical things, what else did you learn in CDAC.

		<p>4)What do you expect from the company.</p> <p>5)What do you know about our company.</p> <p>6)Tell me something about yourself which is not in your CV.</p>
131	Sapiens Technologies (1982)	<p>Package: 4.2 lacs</p> <p>Technical InterView:</p> <p>OOP Concepts</p> <p>Ds Sorting and searching technologies</p> <p>BE Project Database design,technologies used</p> <p>Dac Project in detail</p> <p>hibernate cfg,hbm file on paper</p> <p>Hr Interview:</p> <p>Tell me about yourself with is not mentioned in your resume.</p> <p>are you flexible if we relocate you ?</p> <p>tell me about your family.</p> <p>your favorite actor,actress.</p> <p>tell me 5 names of their movies.</p> <p>have you been outside India?</p>
132	TIAA	<p>1.How to balance AVL tree.</p> <p>2.How to find unique elements in array list using hash map.</p> <p>3.Questions on multi threading.</p> <p>4.Class Hierarchy.</p> <p>5.Questions on hibernet.</p> <p>6.Queries ON JOINS.</p>
133	TIAA	<p>1.) Find the middle element in a linked list.</p> <p>2.) Delete all leaf node in a BST.</p> <p>3.) Find the unique elements from an array.</p> <p>4.) Quick sort, merge sort</p> <p>5.) Collections, String in JAVA.</p> <p>6.) OOPS Concepts with real world example.</p>

		7.) Write a query to find the third highest salary.
134	TIAA	<p>what is inheritance ?</p> <p>polymorphism and example ?</p> <p>how to delete a node in linked list ?</p> <p>which is better linked list or array ?</p> <p>difference between truncate , delete , drop?</p> <p>how to fetch directly second row from a table ?</p> <p>explain merge sort , quick sort?</p> <p>what is garbage collection?</p> <p>query to add extra column in a table?</p> <p>outer join?</p> <p>second highest salary ?</p> <p>questions about company?</p>
135	ecs	What will happen if i wrote empty try block
136	ATOS/dnyaneshwar	<p>1. WHAT IS FRIEND FUNCTION ? can we use this pointer in friend function?</p> <p>2.what is purpose of inline function? how is it work?</p>
137	senior	<p>Program to reverse a string</p> <p>what is Macro</p> <p>Difference between shallow copying and deep copying</p> <p>If a binary tree contains 20 nodes then how many null nodes present in that tree</p> <p>static variable</p> <p>Can we define pure virtual function?</p> <p>Swapping of two numbers without using third variable</p>
138	Senior	What is Inline function and need of that?
139		<p>Explain Time and Space Complexity?</p> <p>Explain sorting technique Time and Space Complexity?</p> <p>Write a program for deleting last Node of Circular Double Link List?</p>
140		<p>What is Volatile?</p> <p>Memory Diagram for copy constructor?</p>

		What is register variable how it is use?
141	cdac r & d	how to implement static polymorphism in detail with program?
142	Pramod	string palindrome, insert last node of SLL, find mid element of linklist, Fibonacci series, addition without using + operator, about BE project
143		1. find mid Length of Linked List in first Iteration (you don't know length?) 2.Implementation of Queue using Linked List?
144	Atos	1)what is the friend function why it is used? 2)what is the inline function ? 3)why inline function used ? and when compiler fail to replace function def? 4)what is the dangling pointer and wild pointer? 5)why polymorphism ? 6)delect 2nd node of singly linkedlist?
145	CDAC R&D	Find out the middle node of linked list in one pass
146		1) What is Time Complexity, Space Complexity ? 2) What is quick sort ?

		3) How you will find the mid element of a linked list ?
147	Shivam Nirhali(CDAC RnD)	What is need of writing copy constructor explicitly? (explain)
148		<p>1) Write a Program to reverse a string without using inbuilt function. Also find out the frequency(no. of times a particular alphabet repeating) of alphabets in the string. Note : Code needs to be optimized.</p> <p>2) What is void pointer, dangling pointer, wild pointer ?</p> <p>3) Difference between pointer and reference ?</p> <p>4) What is Virtual Table ?</p>
149	My Name - Cdac R&D ... Interviewer	<p>1.Can you declare class inside a class?</p> <p>2.Explain difference between data abstraction and encapsulation using real time examples ?</p> <p>3.Write string reverse function without using string reverse function?</p>
150	R&D	how to find mid of linked list?
151		What is Virtual Table ?
152		time complexity and space complexity
153	Amdocs	<p>Q1 Write a code that will lead in segmentation fault.</p> <p>Q2 Write a sql query in which two tables were given From one table you have to fetch number of rows that many number of columns you have fetch from another table.</p> <p>Q3 queries related to joins</p> <p>Q4 asked questions from automata programming test.</p> <p>And questions related to DAC project as well as engineering project</p> <p>Asked Pointer related concepts.</p>
154	Atos	How to deploy project in Java and how to create war file?

155	Sigma OSS systems	<p>Introduce yourself in detail.</p> <p>likes and Dislikes</p> <p>why should we hire you</p> <p>Positives and negatives in you</p> <p>How will You overcome the negatives in you.</p> <p>Why sigma</p> <p>Brieff about the company</p> <p>Any regrets.</p> <p>Achievements in your life.</p> <p>Do you have questions for me</p>
156	Sigma OSS systems.	<p>1.BE Project in detail.</p> <p>2.API used in project.</p> <p>3.Integration of different modules BE project.</p> <p>4. Real life Examples of Algorithms used in project its applications and entire working in detail</p> <p>.</p> <p>5.Given a project explain the entire process you would follow in order to complete the project(To check your approach).</p>

		6.DAC Project working and flow.
157	Sigma OSS systems	<p>Collections.</p> <p>HashMap and hast set(Difference).</p> <p>CompareTo() method Explanation.</p> <p>Hibernate mapping code.</p> <p>Hibernate entire working.</p> <p>Hibernate code for inserting into a database.</p> <p>Abstarct classes.</p> <p>Interface</p>
158	Sigma OSS Systems	<p>Find 2nd max salary.</p> <p>queries using distinct.</p> <p>difference between truncate and delete.</p> <p>difference between DBMS and RDBMS.</p> <p>Hierachical database Example.</p> <p>Normalization.</p>
		Output of the code:fork(); fork(); fork(); fork() ;fork();

159	Sigma OSS systems	<p>write a program for finding wheather a file exists in the system or not.</p> <p>Different commands using ls -l</p>
160	Sigma OSS systems	<p>What are arrays.</p> <p>What are linked lists.</p> <p>Y arrays and Y linked lists.</p> <p>Disadvantages of arrays and the benefits of using Linked lists.</p> <p>Disadvantages of linked lists.</p> <p>Different types of Linkedlists.</p> <p>Working of Doubly linkedlist,singly linked lists and circular linked lists.</p> <p>Disadvantages of Doubly linkedlist ,singly linked lists .</p> <p>Why circular linked lists.</p> <p>What operations can be performed on circular linked list.</p>
161	Sigma OSS system.	<p>Explain Static keyword in c and cpp.</p> <p>OOPs concept in detail with real life examples.</p>
162	reflexis	<p>1.core java whole</p> <p>prepare multithreading,exception handling,serialization well</p> <p>code for jdbc</p> <p>servlet life cycle</p>

163	pharmaace	code for factorial with recursion
164	benix knowledge management pvt.	Explain join. What is magic table. Diff. unique key and primary key.
165	reflexis and gs lab	write down the code to find cycle in singly linked list write a code to remove the duplicate in singly list Do all code of sorting algorithm with time complexity binary search code binary search tree and traversal
166	benix knowledge management pvt.	Explain oops concept with real time example. How you implement oops concept in your project. Explain Static class in cpp. What abstract class. write program using recursion.
167	reelfor	what is RTTI explain with example copy constructor explain shallow copy and deep copy
168	reelfor	1.oops concept with example,they give the scenario and ask to construct classes and explain inheritance and polymorphism
169	Crest Spring nature of group	How to cut a cake in 8 piece? you have only 3 shots.
170	Knorr Bermse	Q1. Define delegates? Q2. Difference between ref and out? Q3. Define Asp.net life cycle? Q4. what is singleton? Implement the algorithm?
171	Bentley	Ques1. How to Reverse a single linked list? Ques2. Binary search tree implementation?
172	Knorr Bermse	what is mvc life cycle?
173	Bentley	Can we write a private constructor in a public class?
174	Exusia	linux command(ex-ls,cp,mkdir) shell scripting basic program
		oops concept with real time example

175	Exusia	palindrome program without string function and take min time complexity virtual keyword diamond problem
176	Tech Mahindra	how to delete all files in directory without deleting directory
177	Tech Mahindra	What are cursor attributes
178	Tech Mahindra	Explain cursor
179	Tech Mahindra	what you did in 2 years after completion of graduation? (This question was asked to me because I have completed BE in 2014 and joined CDAC in 2016)
180	Tech Mahindra	Why you switched from E&TC to IT??
181	crest	Difference between linear and binary search
182	crest	Explain sorting algorithms(any)
183	crest	How to find millionth record in db with minimum time complexity
184	Crest	Why you chosen .net as a language for dac project
185	Tech Mahindra	Explain abstraction encapsulation.
186	Tech Mahindera	What is DS? Type of DS and it's application
187	Amdocs	1.All commands u know like ls, Find,cut,rm etc 2.Use of grep ,grep-v,grep-i 3. Write command for give output of ls commnad to another and show it into one file. 4.write down any Shell Scripting code .
188	Amdocs	1. Need of joins,write Inner join,Outer join. 2.Write Query for finding the Duplicates in table. 3.Find First occurance Of letter in word. 4.Show all data For The Name Tejasvini Which can be any pattern like TEJasvini/tejaSVINI like this. 5.Second Highest salary, why to use Rownum 6.write down all tables From your Dac project. 7.Write down queries for Substring, Instring,minus,intersect,union and explanation with example. 8.difference in primary key & unique. 9.Prepare All basic Concepts related to your projects.
		write code with constructor,parameterized construcypr,copy cons.,destructor

189	amdocs	<p>virtual functions overloading and overriding difference.</p> <p>programms on linked list eg. delete alternate node,reverse complexities</p> <p>java -on collections</p> <p>what are agile,waterfall models difference what is SDLC</p> <p>HR- why amdocs challenges faced in life what is ur ideal job strengths,weakness questions according to different conditions given</p> <p>database queries mainly on joins</p>
190	hoonar tekwurks	<p>Tell me about yourself? reason for joining cdac and coming to pune.</p>
191	hoonar tekwurks	<p>What are foreign keys and primary keys,what happens when a primary key is deleted,what is stored procedure,what are cursors,what are procedures and use of it?,what are tablespaces,describe joins,their types with when diagrams,queries.</p>
192	Hoonar Tekwurks Consulting LLP	<p>Types of Data structure. What is linked list? Difference between Array and linked list. find the mid element in linked list with time complexity. Insert and delete node from linked list.</p>
		<p>What is overloading?</p>

193	Exusia	<p>What is overriding?</p> <p>Write code or Right-angle Triangle Star Pattern.</p> <p>What is friend function ? (Indirect Question)</p> <p>Write Code of Fibonacci series.</p>
194	CDAC R&D	a question involving left and right join
195	C-DAC R&D	<ol style="list-style-type: none"> 1. How did u manage bidding system in your project (My Project online auction) 2. hibernate annotations (one to one & many to one) 3. How did you manage containment and inheritance using annotations 4. Various properties of hibernate config file 5. property value of hbm2ddl (create/update) 6. a program to count no of occurrence of each distinct characters in a string and how it will be stored 7. spring dependency injection (just the concept) 8. name of server you used in your project some eg. of some servers 9. why did you switch from ec to cs(ice breaking question) 10. my B.Tech project 11. asked me about iot(internet of things) 12. why do we write public static void main(String [] args) <p>hint:</p> <ol style="list-style-type: none"> 1. just now the concept by heart 2. know how to code irrespective of the language 2. don't forget to work on your aptitude
196	prescient	virtual pointer,virtual function ,polymorphism, sorting , rtti,type of casting in c++
197	n associates,cybage,volkswagen it	<p>collection in java,core java basic concepts</p> <p>singleton pattern</p> <p>advanced java spring hibernate</p> <p>spring with hibernate explain in detail</p> <p>cdac project flow diagram</p> <p>reverse name using comparator interface</p> <p>linked list reverse</p>
		Strength

198	Bentley, Yagna, Simieo, Sapiens	Weakness Biggest Achievement in your life Relocation Why i should hire you puzzles
199	Cybage, Bentley	Model Waterfall Model Azile Model scrum
200	Veritas, Simeio	All OS Layer Commands in Linux how to Create softlink and hardlink File System in linux
201	Interface, Cybage	Collections(Deep concepts) Jsp, Servlet Session Hibernet Session Sping MVC IOC, DI, AOP
202	Sapiens Technologies	All queries All Joins Normalisation datawarehouse DDL, DML, DCL
203	Bentley, Veritas	Linke List Stack Sorting searching time complexity space complexity

204	Bentley,veritas,Cybage	OOPs concept virtual pointer Program on string manipulation program on array
205	Bentley	size of Pointers, size of Structures how many member accessible in Union, types of keywords
206	AMDOCS	1. Spring life cycle 2. Hibernate life cycle 3. Difference between RDBMS and DBMS 4. MySQL procedure 5. Format specifier of c 6. Type def in c 7. Link list program 8. Normalization 9. Swapping program (this que was asked in apti) 10.joins 11. How to print- 10.02 (float format specifier) 12. How to print - 1000***** (float format specifier) 13. File handling in c 14. Structure in c 15. Project(prepare each and every aspect of project)
207	Atos	HR: Introduction, Ask Question about your city, your future goals and cross questioning on your Hobbies.
208	Atos	Explain your DAC project and BE project?
209	Atos	Explain life cycle of Spring and Hibernate related to your project?
210	Atos	Explain all OOPS Concept and give explain with example related to interview room.
211	Cdac Acts	Explain all steps of deployment of your project?
212	Cdac Acts	What is war file and difference between war and jar file?
213	Cdac Acts	Explain Normalization. What is partial dependency?

214	Cdac Acts	How Normalization is used in your project?
215	Delloitte,Bentley	Collections,Multithreading,Exception Handling,String,Class
216	Deloitte Touche Tohmatsu India LLP	Virtual keyword ,VTable,operator overloading
217	ATMEC	Q1. 2 C++ Programs were given with aptitude test. 1) find first occurrence of 1 in given binary sorted string. 2)check whether given xml string format is valid or not. Q2. Optimize time complexity of above programs. Q3.Explain your B.E. project? Q4.Explain your DAC project? Q5.Are you comfortable with relocation? Q6.how do you see yourself after 5 years? Q7.What is your life goal?
218	ATMEC	Q1. Explain B.tech Project in Detail? Q2. What is Graph? Difference between Graph and tree? Q3. Given some node , tell the BFS and DFS travsel? Q4. Being an Electronics student why you shift to Computer Science? Q5. Which Data Structure you feel is best? Q6. Puzzle : There are 9 balls , one is defective (Its heavier). You are provided with a weighing machine. You have to find the defective ball in 2 chances.
219	Manhattan associates	Collections in deep. Palindrome, string anagrams code. Oops concepts in deep. Jdbc code. Hibernate and spring overview. Basic string operations. Sql joins with examples.
220	Deloitte Consulting.	Suppose I want to give discount to my valued customers. I want those customers who have placed more than one orders and out of which at least one order must contain more than one items. Write a query for this.
221	Deloitte Consulting	How the webservices work in the background. What happens in the background when the proxy class method is invoked.?
222	CYBAGE	Write a fibonacci program in cpp? Write encapsulation and polymorphism example using code? Operator overloading java possible or not? Justify your answer. String class and object creation of string class? How to store a database table using collection? And also sort it? What is HQL? Its use and syntax.

		<p>Explain treeset and hashmap using examples.</p> <p>Puzzle of 8ltr water to be separated into 2 4ltr parts using empty containers of 5ltr and 3ltr each</p>
223	ATOS	<p>1) What is abstraction ?</p> <p>2) Difference b/w abstraction and interface.</p> <p>3) What is inheritance ?</p> <p>4) What is Polymorphism ?</p> <p>5) B.E. Project ,DAC Project</p> <p>6) Swap 2 nos. without using 3rd variable.</p> <p>7) How to order array in reverse order ?</p>
224	Volkswagon IT Services	<p>Some Suggestions...</p> <p>Be consistent ,be regular,do night labs, follow some blogs..viz.Quora.com,Stackoverflow etc. practice the interview questions.</p> <p>Be confident.</p>
225	Cassiopae Solutions Pt Ltd	<p>Suggestions:- Write running notes of all modules. Practise each concept of every module. Practice Advance Java & Asp.ne MVC more (As it has shorter time assigned in daily schedule)</p>
226	Cassiopae Solutions Pvt. Ltd	<p>1) What is Managed Code</p> <p>2) Garbage Collection</p>
		<p>1) SpringMVC</p> <p>2) Servlet - Single Thread Model, Multi Thread Model</p> <p>3) Jsp, Bean Scope, importance of xml file in Spring</p> <p>4) Design Patterns (ALL)</p> <p>5)Object Class Methods, String class methods</p> <p>6) When to override equals(), hashCode().</p>

227	Cassiopae Solutions Pvt Ltd	<p>7) DBT- Pass Array in procedure</p> <p>8) JSF</p> <p>9) What is ORM (Hibernate)</p> <p>10) Why to use Hibernate</p> <p>11)What is Java.util.concurrent Modification Exception</p> <p>12)HashMap, ArrayList - Sorting, searching without inbuilt functions</p>
228	Cassiopae Solutions Pvt Ltd.	<p>1) Find middle element in linked list in single pass</p> <p>2) Convert BST in circular Linked List</p>
229	Cassiopae Solutions Pvt Ltd	<p>1) Query for Second highest salary</p> <p>2) Query for lowest 5 performers</p>
230	Cassiopae soutines Pvt ltd	<p>1) What is managed C++</p> <p>2)Vtable, Vptr & internal working of it</p> <p>3)OOPS concepts</p>
231	Cassiopae Solutions	<p>1) Write String user defined functions.</p> <p>2) File Handling</p>
232	Volkswagen IT Services.	<p>1.How can we compile C# code without using visual studio or any other IDE's?</p> <p>2.MSIL concept explain in detail.</p>
233	Volkswagen IT Services	<p>1.Second highest salary,3rd highest salary</p>

233	Volkswagen IT Services.	2.Rownum,Rowid
234	Volkswagen IT Services.	1.Dispatcher Servlet code from project 2.JDBC code from project 3.Hibernate code 4.Functional Diagram of project 5.Byte Array in Java 6.Spring MVC life cycle 7.Collection in Java(Specially HashMap,HashTable)
235	Volkswagen IT Services.	1.Merge sort 2.Reverse Linked List without recurrision
236	Volkswagen IT Services.	1.Program to shuffle deck of cards 2.Reverse the String(My name is ABC -> ABC is name My) 3.Pointer Concepts
237	Volkswagen IT Services.	1.Oops Concept with real life example 2.Virtual Destructor 3.Volatile keyword 4.Empty Class 5.Dangling Pointer 6.Void Pointer 7.Program to shuffle cards
238	bently	exception collection threading code puzzle - find the coordinate which lies on a circle of radius 3cm
239	atos bentley	QUEUE HEAP SORT

		BST
240	VOLKSWAGEN AND ATOS	JOINTS NORMALIZATION
241	Volkswagen	Explain your project MVC life cycle write a code for handler in mvc How a request a given into mvc Explain 1-type,2-Type,3-type in mvc
242	VOLKSWAGEN IT SERVICE LIMITED	1 - Write a code of palindrome with String function and without string function and find the Time complexity and reduced them write a code for that 2-Exception ,RTTI,STL in c++
243	atmecs,siemens	cursor trigger diff-stored procedures and functions all joins
		java--- servlets struts jdbc connection springs(code) hybernate(code)

244	siemens,Atmeccs	<ul style="list-style-type: none"> reflection garbage collection diff b/w jdk jre &jvm diff- interfaces and static *collections(*hash map , dequeue) **exception handling .net--- mvc life cycle of mvc asp.net life cycle ado .net and entity frame work diff collections exceptions reflection interfaces clr garbage collection data reader and data set -difference connected and disconnected architecture
245	siemens,volswagen,atmeccs,cdac	<ul style="list-style-type: none"> stack queue bfs dfs binary search tree queue using link list stack using queue

		queue using stack linked list-single,double,circular sorting *graph
246	hens, Volkswagen, CDAC-R&D, ATM	RTTI-concept and code operator overloading copy constructor-(code) dangling pointer name mangling all string problems(without using in-build functions) file handling Array problems oops concepts: with real world examples static,abstract and virtual concepts multiple inheritance dynamic polymorphism **garbage collection code in c++
247	Cumulus Systems Pvt. Ltd.	Puzzle 1. Two ropes are given, which can burn out completely in an hour. using these two ropes measure 45 minutes. Puzzle 2. Three black boxes with labels: i) Apples ii) Oranges iii) Apple + Oranges are given with labels placed incorrectly. You have to correct all three labels using one pick (i.e. you can take just one fruit from one box just once).
248	Cumulus Systems	Deadlock. Write a code for the same.
		Ques 1. They gave me three Test Cases based on synchronization. Asked output of each case. Ques 2. Implement Singleton.

249	Cumulus Systems Pvt. Ltd.	<p>Ques 3. Using two threads can we create more than one instance of a singleton class. YES/ NO. Support your answer.</p> <p>Ques 4. HttpSession Object.</p>
250	Cumulus Systems Pvt. Ltd.	<p>Ques 1. Find the mid of a Singly Link List. Also find its time complexity.</p> <p>Ques 2. Sort a Singly Linked List.</p> <p>Ques 3. Implement a Stack Using two Queues.</p> <p>Ques 4. Find If a Given Singly Link List is a Palindrome Or Not?</p> <p>Ques 5. Find the Maximum element in a BST (Using Recursion).</p> <p>Ques 6. A singly Linked List in the shape of letter 'Y' is given. You need to find out the intersecting node.</p> <p>Ques 7. Convert a Binary Tree to Circularly doubly link list.</p>