(After Apti+technical)

I) TECHNICAL ROUND

1) Introduction
2) Abstract class vs Interface
3) Project (Both B.E project and CDAC project)
4) Annotations used in project
5) Validations in project
6) What is Hibernate
7) Asked to initialize member variables from other class.
8) Can you make abstract class final. If yes why, if no why.
9) Checked Exception vs unchecked exceptions.
10) Can you have member variables in Interface.
11) member variables vs local variables.

II) MANGERIAL ROUND

1) About B.E project again
2) About family and other personal background.

III) H.R ROUND

1) BASIC NEGOTIATIONS

[Q1] Explain your C-DAC Project?

[Q2] A lot of Questions were asked on the project?

[Q3] Hibernate

[Q4] Tell me something about Tiles? & it's configuration file?

[Q5] 10 things that you know in java?
[write only those things that you know in java, if you know only 4 things, but you should know them properly].

[Q6] what is Exception?

[Q7] what is difference between Error & Exception?

[Q8] what are the pillars of oops? Explain with an example?

[Q9] what are the features of Java?

[Q10] Have you implemented any collection class in your project?
[If your answer yes, then be ready to answer the next question, where in your C-DAC project have you used it].

[Q11] write a program on that collection class which you have used in your C-DAC project?

[Q12] Explain your Engineering project?
[If you have outsourced it, clearly say that you have outsourced it].

[Q13] What is serialization?

[Q14] In how many ways can we achieve Seanlization. (implements serializable interface, JDBC & Hibernate).

Managerial Round

[Q1] Tell me something about yourself?

[Q2] why did you select science?

[~] why did you select Engg only?

[Q3] In Engg why computer ~~science~~ Engg?

[Q4] Why do you want to go for core development? why not something else? Convince me?

[Q5] who all are there in your family?

[Q6] Was taking science, engg your decision?

HR Round

[Q1] Tell me something about yourself?

[Q2] The next 10 mins we dicussed on my hobbies?

[Q3] Will you be able to work on any domain assigned to you?

[Q4] How would you go to college? Tell me All the available routes?

[Q5] Any Questions you want to ask regarding the company?

nse-it

Divya Dhote

1) Explain your project with the flow q Spring MVC ?

2) What are the frameworks used in your project ?

3) What is collection ?

4) Difference between collection & collections ?

5) Explain Spring ?

6) what are the collection you used in your project?

cherryl Carlo

① Swap using pointers?

② ~~Po~~ Prime numbers?

③ Copy a file in C

④ how to access a character array using pointers

Don't see the quantity.

NSE TECH.   manoj Jadhav

ROUND 1

1) what is serialization.

2) Volatile in Java.

3) diff between final, finally, finalize

4) Can I write return in finally?

5) In which scenario will a finally blak not get executed.

6) Catch is returning a value and finally is returning a value which one will be actually returned.

7) Can I write finally block twice one after another.

8) Who is the parent of Exception.

9) who is the parent of all classes in java

10) If my child is serialized and parent is not then what will happen

11) what is overriding?

12) If my parent class method is public A() can I write child class method private A()

13) Diff b/w synchronized method and Block

14) If I have a class with synchronized and unsynchronized method, #2thread sharing same object try to access synchronized method at a time.
 → one thread try to access synchronized other unsynchronized
 →

15) what are synonyms

16) what are indexes.

17) If indexes are created for primarykey and uniquekey. why primarykey.

18) when will you use indexes.

19) what are views, can I perform DML on views, why view

20) E whttich design patterns are you aware of.

21) How would you implement singleton Design pattern

22) Write a query to find if record is duplicate without using subquery.

Diff b/w class path & path

23) Explain your project.

24) write logic to check email validation

25) How have you implemented login authentication in your project

26) On your Registration page if the user click twice on submit will record be added twice.

27) Scopes in JSP

28) How can I have multiple xml files in Struts

29) Have you put your project on real time server.

30) Which container did you use

31) what are cursors.

32) ref cursors.

33) Diff between stored procedure and functions.

34) what are triggers

35) How will you ensure a Object in a class is not serialized

36) Diff b/w StringBuffer and Builder.

37) Interface and abstract class.
                    And many more.

38) JDK, JRE, Class loaders, 39) what is in JVM, JDK

ROUND 2

→) Explain the Flow of control b/w various technologies used in your project. - draw it;

→) questions based on technologies used

→) what is JMS.

→) what is EJB.

→) what is Hibernate and what relation with EJB.

→) How have you done action mapping in Struts.

→)
```
class A()                    class B extends A
{                            {
  method A()                   method A()
  {                            {
  }                            }
}                            }
```

→) Covariant return-type how are they implemented.

→) inner join & outer join

→) questions based on subject you are weak in → Inmycase
                                               oracle

NSE-IT

GD Topics

→ Women Empowerment

→ Lokpal Bill

→ Division of State in India

→ Content on Internet Should be bad (Social Sites)

Ankit Duggal
Gaurv Shinde

Q:- What are the tools on which you have made the project?

Q:- What is Struts? Actual Implementation of struts while taking the example of login form.

Q:- Which tools used to connect to database and how did you ~~case~~ implement it? Asked about the code. for implementation
Hint: through knowledge of Persistence. xml & JPA used to connect to the database

Q:- What is Static in Java? Can a class be static.?

Q:- How to print all the values in arraylist using Iterator?

Q:- Question on Collections, exception handling 😊

RowId & RowNum
Paging
Chaching
Haive you used a linux system? Yes → when you login into
a linux system
(Process & Threads)

What are data structures? Why Data structures?
Types of Data Structures.
Explain Project? Flow. after you click on a page, how
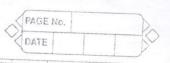does the request go.
Garbaje collection.

NSE TECH   (Abhishek P Patil)

1st round   (Interviewer Kaustubh)

1) Tell me something about yourself? with

2) #Tell me abt your project?

3) Draw architecture of your project
   Ans. Draw 3 diff parts Front end, Framework, DB

4) What is AOP & DI?

5) Diff bet struts & spring.

6) Overloading vs overr overriding

7) What NSE does?

8) Why NSE?

9) What are you expecting from NSE?

10) Location of our ofc? → Bkc, vidyavihar

11) Are you willing to take responsibilities & work on maintain

12) Is Can you work under pressure?

13) What are the types

14) Types of joins? Explain

15) 5 Queries using join (emp & dept table)

16) Why you used mysql instead of java oracle

17) You have less marks in J2EE (I had 21) & good marks in J2SE(I had 36)? coz We work On J2EE.

18) What is primary key & unique key & Difference?

19) I wont unique key but no null values Whoso should I used primary key instead (NO)

20) In project name of your master table

21) How you connect to database in spring?

22) #I wont to use JDBC in spring not hibernate write down the steps

23) who How to call DB procedure from Java

24) What is abstraction?

25) How to implement it?

2nd round (vinit → Interviewer)

1. What is static block? What is its use?
2. If we have main method & static block which will 1st get executed?
3. I have 3 classes A, B, C which have static block with S.O.P statement when that class S.O.P will printed
   Ans:- Explain him ways class loading (Implicit, Explicit
4. what is interface?
5. Can we declare variable in interface?
6. do we have static methods in interface?
7. what is its used?
8. Utility classes we have utility classes then y do we need interface
   Ans:- Explain him that we don't need features of classes like object creation & all etc
9. Creation of utility class will give unnecessary burden at compile or run time?
10. what is abstract class?
11. Can we have abstract class with just abstract methods?
12. If yes then what is diff. bet interface & abstract class?
13. Tell me one thing that interface can do & abstract class can't.
14. Do you know abt threading?
15. How to create a thread? in how many ways?
16. Write a pgm to create a thread by both ways.
17. 7-8 Queries (mostly join, in one query to used nvl function)

18) Diff bet checked & uncheck exception with example
19) can my catch contain return statement (no return in try)
20) @ can we have finally only with try & not catch
21) One pgm on try catch finally
22) what is exception handling?
23) How to reverse array with single loop but we dont know the size of array.
24) If we have runnable then y we extends Thread
25) what if we overrid start method?
26) What are diff scope for JSP usebeans.
27) Diff bet page & request
28) How to navigate from one JSP/servlet — other
29) Diff bet sendRedirect & forward.
30) How to call them?

8

NSE INFOTECH

1. Tell me about yourself.
2. As you are from EXTC, why do you want to go in IT field?
3. Tell me something about your BE project.
4. What is a semiconductor? What is a diode? Are there any diode in this room.
5. Have you ever opened a CPU?
6. How is data written on a CD? How does a fan regulator work?
7. What are the different sorting algorithms?
8. Suppose i have a string "SACHIN TENDULKAR". Write a program in `C` to print all the characters from 5th to 10th position. [w/o using any library function]

NSE-Tech

1> Write code for doubly linked list (insertion)

⚬ Write code for palindrome

3> Write code to reverse your name.

4> Write code to convert decimal to binary.

5> Explain the significance of final keyword.

6>

Second technical round.

1> What is difference between forward and request

2> What is servlet?

3> What is difference blw servlet and JSP?

⚬ Focus more on servlet and JSP.

5> Write a program to print "Hello World" reverse
only "olleH"

NSE TECH

1. Explain OOPs pillars. with examples.
2. Asked me write some join queries in Oracle.
3. Reverse a string logical program.
4. What is transient keyword?

Capgemini

1. Explain your final year project.
2. What technology does "FACEBOOK" use at Back End?
3. Linux command to print hard disk space used.
4. What is the use of indexes in Oracle?

1) Operator overloading for '--' operator for '++'.

NSE
Amruta Kolekar

2) What topics were taught in OS?

3) What is kernel?

4) How Computer boots up?

5) Write & draw collections framework?

6) What is difference between Hashmap & Hashtable? Which one is faster? Which one is thread safe?

7) What is a Hashtable? Where in practical it is used?

8) What is insertion sort?

9) How to make a singleton class & & how will you protect of creation of objects. if you use serialization, cloning & reflection API

10) How can you make a class. immutable.

11) JVM, JRE & JDK. which one dependent & independent Explain all 3 of them.

q.1. Dangling pointer and Memory leak. How to overcome?
(Explain) (C & C++)

q2.

I/p — | 10 | 20 | 30 | 10 | 10 | 20 |

     o/p —   10 - 3 times
                 20 - 2 times
                 30 - 1 times.

q.3. How to count the no. of elements in assay using
for loop.

q.4. Database queries

q.5. Normalization Why? What is?

q.6. Denormalization Why? What is?

q.7. What is index? Types of index?

q.8. What is pointer?

q.9. What will following pgm do

```
int *p;
int a[10] = { 10, 20, 30, 40}
p = a;    // What will happen here.
```

q.10.
```
ptf("%d", a[2]);
```

q.11. virtual functions, virtual destructor

q.12. view?

q.13. difference between procedures & functions?

q.14. difference between drop, delete, truncate.

Q.15. Types of strmtg.

Q.16. Call by value, call by reference.

Q.17. How will u write stored procedure?

Q.18. Difference between pointer and reference.

Q.19. Why main method in java is
public static void Main (string [] args)