If you know the basics of core java then its surely going to increase your chances for the selection,moreover you should have in depth knowledge

of your project because in all 3 rounds of my interview they imphasized a lot on project.

ROUND-1

qn 1: first of al the interviewerer asked me about some basic concepts of java like differences in interfaces and abstract classes ,

differences in methods ,objects ,packages then he asked me that what are "system","out" and "println" in system.out.println

command and you have to categorise them as method ,object.

qn 2: his 2nd qn was to write program for quicksort and to derive its worst and best time complexities .

qn 3: then he ask me to write an algo for bucket sort and external sort.

qn 4: then he enquired some question about my project like how i applied normalization in my database etc. and then he asked differences

in java and javascript.

qn 5: to write a program in java to swap two variables without using temporary variable.

qn 6: his last question was to design a database for book issuing in library and to write queries about finding author with particular book

name ,to find author name having maximum number of books etc.

qn 7: asked about JVM.

ROUND-2

qn 1: to write a program to return the first repeating character in a string in minimal complexity and i gave him a solution using hashing

so he further asked me about how to avoid collisions in hash function (try to impress him by giving different hashing scheme),i

gave him cukoo hashing scheme which actually he had never heard of :)

qn 2: to design an elevator system using object oriented features.

qn 3: few questions about joins,serialization in dbms.

qn 4: he gave me 2 tables(a car table and a person table) and asked to find out all car numbers having the same model.

qn 5: few questions related to project and a simple program using vectors in java.

qn 6: p node problem.

qn 7: very basic operating system question.

ROUND-3

qn 1: first of all he asked me that how would i develop an application for i-phone similar to one of my project(guitar tutor),for some time

   i tried to figure out something but it didnt help much so he changed the question that if i want to sell my software how will i

   satisfy the requirements like

   a)to give information to my subscribers about new additions to the software.

   b)say if i have 3 lessons for free and 7 for some price and a subscriber pays me for say lesson no.6 and then somehow he deleted

    it so when he comes back to my site he wants the same lesson but now i cant charged him again for the same download because he has

    already paid for the lesson.

   i started creating the databases and the front end design for the whole thing but he actualy wants a basic backbone structure for the

   design and nothing complex so i just ended up creating a flow diagram of events that he needed and he was satisfied with that(keep it simple).

one more thing i would like to add is that gsac recruitment team members are super cool, feel free to ask them all your doubts and they

will help you figuring out the solution for your problem,try to be confident and passionate about your work and do strenghten your grip on

DBMS ,OOD ,communication skills.

PRANSHU SHARMA

B.Tech Final year(2013 batch)

INFORMATION TECHNOLOGY