Sardar Patel Institute of Technology

Placement Guide
Data from 2011-12 placements

Compiled by
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2011-12 Placement Summary

Company Name	Date Aptitude Interview	Number of people shortlisted for interview	EXTC	ETRX	COMP	IT	Criteira (No LKTs)	Job Location (approx)	Package (Approx) lpa
Larsen and Toubro	28-07-11 08-08-11	9	NA	2	NA	NA		Mumbai	3.25
Morgan Stanley	04-08-11 06-08-11	24	1	0	2	2	65% above	Mumbai	11.3
NVIDIA	12-08-11 12-08-11	16	0	0	1	1	65% above	Pune	9.2
Marvell	21-08-11 26-08-11	14	0	1	2	1	68% above	Pune	8
MuSigma	26-08-11 26-08-11	22	2	3	1	0	55% above	Banglore	18lakhs/3years
SAP Labs	29-08-11 29-08-11	27	NA	NA	5	1	60% above	Banglore	5-6
Play Games 24X7	30-08-11 01-09-11	5	0	0	0	0	55% above	Mumbai	6
Barclays	05-09-11 05-09-11	16	NA	NA	1	1	65% in engg 70% in Xth XIIth	Pune	6.58
Siemens	06-09-11 06-09-11	7	NA	3	NA	NA		Mumbai	4.25
MAQ Software	15-09-11 15-09-11	40	NA	NA	3	2	60% in engg, Xth and XIIth	Mumbai	4.2
TresVista	21-09-11 22-09-11	21	2	2	0	0		Mumbai	3.75
Reliance	27-09-11	21(12 from	3	5	NA	NA		Gujrat	5

Company	Date						Criteria	Location	Package
Industries Ltd.	27-09-11	SPIT)							
Infosys	30-09-1130-09-11	147	36		30		58% in engg, 60% in Xth and Xth	Mysore	3.25
Cognizant	02-10-11 02-10-11	207	39	27	31	35	60% in engg, Xth and XIIth	Mumbai	3.05
Nomura	03-10-1104-10-11	31	1	2	3	0	Open for all	Mumbai	6
LnT Infotech	06-10-1106-10-11	5	0	2	2	0	60% in engg, Xth and XIIth	Mumbai	3.25
Godrej	08-10-1108-10-11	8	NA	0	NA	NA			
Indus Valey	11-10-1112-10-11	1	NA	NA	1	0	65% above in engg	Mumbai	4.5
Quinstreet	13-10-1113-10-11	3	NA	NA	2	1		Pune	5-6
Capgemini	14-10-1114-10-11		2		1		58% above		
Amdocs	15-10-1115-10-11	30	6	NA	11	7	60% above	Pune	4.2
Microsoft (BE)	17-10-1117-10-11	14	1	NA	1	2	65% above	Hyderabad	10.2
Microsoft (TE)	17-10-1118-10-11	17	0	NA	1	2	65% above	Hyderabad	25000 pm

Company	Date						Criteria	Location	Package
JP Morgan Chase	19-10-1119-10-11	24	NA	NA	6	5		Mumbai	5.88
ACG	27-12-1127-12-11	4	NA	1	NA	NA		Mumbai	4-5
Zycus	13-01-1213-01-12	12	1	0	0	0	50% above	Mumbai	3.25
Geodesic	19-01-1219-01-12	~75	NA	NA	1		50% above	Mumbai	3.25
Vistaar	20-01-1223-01-12	8			2		50% above	Mumbai	3.00
IBM	23-01-1223-01-12	31	4	5	1		60% above	Pune	3.4
KPMG	22-02-1222-02-12	5	1	2	1	0	55% in engg and 60% in Xth, XIIth	Banglore	3.42-3.72
Vershaska	06-02-1206-03-12	6					50% above	Mumbai	3+
Kotak	24-02-1224-02-12	8	0	0	0	0		Mumbai	4.25
Neebal	11-04-12 11-04-12	12	NA	NA	1	0	50% above	Mumbai	4-4.5
CISCO	21-04-12 21-04-12	12	3	0	5	0	65% above	Banglore	7
Thought Works	6-05-12	2	0	0	0	0	65% above	Hyderabad/Chennai	5.86
JP Morgan IBS	9-05-12	40	1	0	0	0	65% above	Mumbai	

Preparation guide

Below are articles from people who cleared respective company's aptitude tests and sat for their interviews. Their insights and suggestions would be valuable. However these articles are just written to guide you and give you basic idea about the process. They are not supposed to be the final source of reference. Also the process may have changed by the time your turn comes. So please use this guide as one of the many sources of reference you will have when going through the placement process.

Larsen and Toubro

--Pranali Pandit (ETRX)

Aptitude Test:

There weren't any technical questions in the test ,it just consisted of 3 sections with 25 questions each on logic, Quant and verbal ability which in all were to be solved in 65 mins.

Technical Interview:

The interviewers ask you about yourself, your family background, departments you may like to work in i.e. a few basic HR questions that you need not worry about. But yes, the technical part needs to be taken care of. They expect you to know your BE project thoroughly, so you should have an idea as to what made you take this project, what are you going to exactly do in your project, has this idea been implemented before , about the IEEE papers that you have read, block diagram of your project. Once they have known your project ,then they start asking you questions from all subjects that you have studied ,before esp. electronic devices and circuits, microprocessor and controllers, Instrumentation Systems, Power Electronics, Integrated circuit analysis, control systems. They also ask you to draw block diagrams, circuits or graphs so be prepared to do so. They may ask a few specifications, or something that you have never read before. For this, keep reading articles either on the net or in some magazines to keep in touch with the latest and familiar technologies. They go in good depth of the topic that they are asking you on, so you should know your concepts well. Other things are important but the most important is your project , which you should know perfectly, thus ,it should be given the 1st priority while preparing for the interview.

To end it all, know your projects(all projects done till date),your subjects and be confident about yourself. Yes, knowledge does matter but after all it's the confidence with which you speak ,that counts.

Morgan Stanley

--- Bhavin Kamdar(Extc) and Aashish Mittal (Comps)

Day 1
Round 1: Aptitude Test

It consisted of 30 questions on the Language of your choice (C/C++/Java). 10 Questions on quant and 10 questions on Computer Fundamentals. I gave my apti in C so i am not aware of the kind of questions which they ask in other languages. C questions were primarily of the type <given code> give output. There were questions based on pointers (pointer to pointer to pointer types), structures, operator precedence and basic logic. In the computer fundamental section there were questions on Data structures and OS. If you are from non comps/IT background you should get familiar with them because that will be asked even in the interviews (more on it later).

Day 2
Few tips:
- Get your technical basics strong.
- Practice a good deal of programming if possible. Make one language (C/C++/Java) very strong and remember the basics of others.
- Solve logical algorithmic problems which focus on language specifics, algorithm knowledge as well as problem solving skills. You can get these on topcoder.com and codechef.com.

Round 1: Tech interview
You will have a technical interview in the morning. It will be a one on one or two to one. In any case don't get nervous, the interviewers are not similar to people who take your vivas. They will give you time to think and they don't expect the right answer from you every time. In the interview you will be asked about data structures, some basic OS related stuff and some puzzles. Be ready to code on paper. Also you will have some questions on Java, c++, OOP and related topics.

After round 1, they shortlist candidates who will proceed to round 2.

Examples of the questions in Round 1:

1. Started with questions on technologies used in the past projects and internships.
2. Given an array A[N] where N is very large, find the highest 50 elements and analyse the complexity.
3. Given an array A[N] and B[M] where N and M are very large, find all elements in A not in B and analyse the complexity.
4. Use case of vehicle, car and truck, asked some questions on OOPS concepts – polymorphism, abstraction.
5. Asked conceptual questions in C and Java (memory related, etc)

Round 2: Group Activity
You will be given a group activity which will test your team work and also your creativity. You will be asked to do some (mostly) non technical task which requires you to think creatively. Initial panic is expected in this round but calm down and think normally. There is no predefined wrong or right in this case.

Our Group activity:

Technology Division of Morgan Stanley needs a new logo and slogan. Prepare a logo and slogan according to the company's core values and give a presentation for 5 minutes explaining the marketing strategy and the reasons for deciding the logo and slogan. You will be competing against other people in the room.

Core values:
1. Put customers first
2. Lead with integrity
3. Think like an owner
4. Have work life balance

Presentation judging criteria:
1. Marketing strategy
2. Aesthetics
3. Adhering to core values
4. Considering main competitors

You are given 15 minutes for preparing logo and slogan. Presentation should not exceed more than 5 minutes. If not completed in 15 minutes, you will be disqualified.

Proceedings:
1. Started as an individual exercise.
2. After 10 minutes asked to form groups of 3 and come up with a common slogan and logo.
3. After 10 minutes asked all 9 people to come together and form a common logo and a slogan.
4. Finally give a presentation for 5 minutes in which all people present their logo and slogan as a group.

Round 3: Tech interview
The questions will be similar to tech interview of round 1.

Example of questions in Round 3:

1. Started with past projects.
2. Tested C, C++ and Java concepts:
● Why classes not private in Java
● Why no multiple inheritance.
● Questions related to polymorphism, inheritance in Java.
● Concepts on multi-threading, synchronization, locks, wait(), etc.
● When would you want private constructors.
● Difference and usage details of interfaces and abstract classes.
● Differences between structures and classes in C++.
● Questions related to C pointers.
● Some basic codes (reversal of string with on extra storage, etc)
● Some more concepts.

3. What structures are added to memory for a recursion call. Are they contained in the same process that is being executed? (This related somewhat to OS, next questions started with OS)
4. Questions on OS (paging, thrashing, how can you eliminate/avoid thrashing)
5. Some Data structure and AOA questions:

- A company has thousands of employees with dedicated phone numbers for each person. The company wants to implement caller id functionality (means associating each number with a name). How should you store numbers efficiently that when a call is made, very less time taken for retrieval of name from associated number.
- A puzzle is cut into 16 pieces and all pieces are shuffled. Write an efficient algorithm to arrange the pieces to get back the puzzle (You can assume a function which returns if the piece is as the correct position).
6. Some more questions.

Round 4: Professional fit (HR) interview

You can relax a bit here. You will be asked normal questions about yourself, your hobbies, interests, projects etc. Also other questions like why Morgan Stanley? Although it may start as a non technical conversation, the discussing generally converges towards a technical point so be ready for that.

Thats it. Enjoy the experience! Below we have put some links from which
we had prepared for my apti and interview. Please note this is not an exhaustive list. We advice you to extensively google about things and read up.

Links
http://www.topcoder.com/tc?d1=tutorials&d2=alg_index&module=Static
http://techpreparation.com/aptitute-questions/c-aptitude-questions8.htm
http://www.difranco.net/cop2220/op-prec.htm
http://www.indiabix.com
http://www.programmerinterview.com
http://www.cprogramming.com/cgi-bin/quiz.cgi
http://www.tech-faq.com/binary-tree-deleting-a-node.html
http://www.mediafire.com/?jmlxf151a6jf7aa OR (Search for "Cracking the Coding interview pdf")
http://www.justriddlesandmore.com/Weighty/weightyproblem.html
http://brainteaserbible.com/interview-brainteaser-3-patients-2-gloves-1-arm

NVIDIA

--Sanket Kothari (Comps)

NVIDIA Interview questions asked to me and others

Two technical interviews:
1. According to you how much did u score in each section of the apti? Which was ur best section?
(Here may be they were trying to find whether we cleared the apti just by guessing or we knew
the answers)
2. A lot of questions on C concepts. sizeof, malloc, calloc, small and big endian, pointers.
3. What does volatile int i declaration mean?
4. Swapping two variables: Four methods-
• Using XOR operator- Best method
• Using assignment op- 2nd best method but uses a temp variable
• Using addition and subtraction
• Using multiplication and division
(Last two methods like the first one doesn't use a temp variable but wont work in all cases)
5. Projects I have worked on.. Asked me about my seminar topic, explain algorithms and what was proposed.
6. My experience of working in a committee.. how did I prepare for CET (this was mentioned in my resume)
7. OS concepts. Semaphores, binary semaphores, mutex, mutual exclusion, consumer producer problem, monitors, deadlock, threads, processes, inter-thread communication, their difference,
paging, segmentation, fragmentation, physical memory, virtual memory..
8. Interrupts, interrupt handling.
9. There are 8 bits. Swap the 8th bit with the 7th, 6th with the 5th ,4th with the 3rd and so on.
10. OOPs concepts.
11. Given a linked list, using only one iteration find the middle node.
12. There are 25 horses. Find top 5 fastest horses. Condition- allowed only 5 horses in a race.. in how many minimum no of races can u do so?

HR interview:

1. Why nvidia?
2. Future studies?
3. Which mobile phone u use? Which os it has?
4. What would u do(related to technology) to increase the sales of a smart phone if it doesn't have
enough features compared to others. They just wanted ur approach.
5. What does ur name mean?
6. Are u ok relocating?
7. Family background.
8. Strengths and weaknesses.
9. Hobbies.
10. What according to u nvidia does? What did u understand from the ppt in the morning?

NVIDIA feedback to college:
Students should focus more on basic concepts of C and OS. The overall performance of the students in aptitude test was fair.

Marvell

--Amit Sheth(ETRX)

Day 1
Round 1: Aptitude Test.

It consisted of total 30 questions. It was divided in 5 sections,
1) Electronics.
2) Data structures.
3) Operating systems.
4) C.
5) Quants.
Electronics and EXTC students were supposed to attempt sections 1,3,4 and 5. While CS and IT students were supposed to attempt sections 2,3,4 and 5.
However there was no restriction on that. If even being an ETRX/EXTC student you want to attempt section 2, you were free to do so.
However the worst part of aptitude was NEGATIVE MARKING. +2 for correct answer and -1 for wrong one. So if you are not confident on any question then DONT attempt that particular question.

Day 2:
Round 1: Technical Interview.

Interviews for Marvell were held at their office in pune. I dont why, but interviewers had very bad habit of solving your apti paper when interview was going on! Always solve your apti paper even after test is over. Find out what mistakes you might have made in apti. Also be clear about whatever project you have made till date.

Round 2: Technical Interview.

Generally both rounds were conducted by different persons. But questions were almost similar. Both the rounds require good programming practice in C language as well as familiarity with operating system. However you are not supposed to have in depth knowledge of data structures but you must have basic idea about that. They may ask you to write C code on data structures.

ETRX people will have some basic idea about OS as they have a subject called CO in the 6th semester, but EXTC people may find difficulties in OS. Hence it'll better for EXTC people to start reading OS beforehand if they want to get into any IT company.

Bottomline is be prepared with C and OS and some part of DS.

So, ALL THE BEST guyz!!! Just give your best and grab the job.

Mu Sigma

-- Hardik Dave (EXTC)

Aptitude Test:

The placement procedure started at 7:00am.
The aptitude test conducted was a general aptitude test consisting of
1) Quantitative Analysis. (10 questions)
2) Verbal.(5 questions)
3) Data Interpretation (5 questions)
Time allotted for the test: 25 mins.
The marks distribution was as follows: +1 for a correct answer and -0.5 for every wrong.

We also had to write an essay on some general topic (MY DREAM JOB in our case).The time allotted for essay writing was 10 mins.
The aptitude test was quite an easy one which makes it even difficult to get shortlisted out a large number of aspirants. Essay '*may*' have been a distinguishing factor.

Group Discussion:

Groups of 10 people in each were formed.
Any general topic would be given. Time allotted is 15-20 mins.

Speaking too much doesn't improve your chances of clearing this round!!!
One needs to be logical and put in valid points.
Being a good listener is extremely important.

Advice : Start attending the *Speaker's Club* !!!!

The number of candidates who get short-listed through a group for interview rounds is not fixed.It depends on individual performance.

Interview Rounds:

Round 1:

There are two rounds of personal interview.
The first one is the HR round. Your all-round personality is tested. The way you articulate your statements is seen upon. You may be asked a few logic based questions as well.

Some academic related subject of your interest could be taken up. In all you need to be fluent and be able to express your views. Candidates get shortlisted for the next round.

Round 2:

This is the *"Stress Interview"*.
The name rightly justifies it.This is an area where your ability to think over real life business problems is tested. You need to be quick in thinking and be able to justify what solutions you provide. It may go on for 20 mins. to an hour.
You just need to be composed and be able to convey your answers logically.
Some areas of statistics or quant may be tested as well. Being a stress interview the air-conditioner wasn't on as well (atleast in my case).

In all, it is a rigorous procedure which starts at 7:00 am and goes on upto 7:00 pm.

All the best !!!

-- Cinjal Shah (EXTC)
As Hardik explained, my overall Mu Sigma experience was pretty similar. It may sound a little repetitive but i shall recount my experience with a different perspective minus the specifics as explained by him.
The aptitude test was pretty basic, but had a time constraint which means approximately a minute per question, hence accuracy counts as we all tend to make silly errors while solving the questions. The group discussion round was significant, primarily because it gave an insight as to how recruiters think while selecting certain candidates. The topics given to 6 groups were moderate in nature (mine was "Corruption is the price we pay in a democracy") so it was possible for everyone to speak something.
What needs to be kept in mind is this: A group discussion is exactly that, a discussion. It is not a debate, which means you DO NOT have to take a stand, however easy it may be to sway towards one side of the topic. Give balanced viewpoints on both sides and try and come up with new points that would make an impact on the way the group discussion proceeds. A few good speakers got eliminated because they lacked on one or more of the above points.
The first round of interview was relatively simple wherein straight forward questions were put to me i.e. about why i chose to come to Mumbai, other points on my resume,

willingness to relocate etcetera. An estimation problem was also given(for eg, how many chairs are sold every day in the city?).

The second round of interview was a little tricky as it happened over the telephone (the Mu Sigma team had a flight to catch in the evening, so about four of us had to give the interview later). Luckily almost the entire length of my interview was dedicated to my BE project pertaining to stock markets and neural networks. Although the chances of it happening again are rare, in a telephonic interview and even otherwise, it is important to know that recruiters aren't necessarily testing your knowledge but your abilities, reasoning, logical consistency in what you speak and of course, confidence.

One thing i would advise all of you sitting for placements is that please choose your companies wisely. Decide on a particular field/fields and sit for those companies. Do not go by the pay packet or the number of friends who have applied, instead look at the profile that they intend to offer, as well as a review from seniors currently placed there. You do not want to end up in a job which you either don't like, or not suit your long term purpose since this first job becomes crucial. Once the company is decided, please prepare your resume suiting the needs of the company, so if it is altering your career objective or adding co-curricular activities displaying a particular ability, go ahead. And moreover, convince yourself that you want the company. Only then will the willingness translate into hard work, as well as better answers during the interview rounds.

Wishing you all the best for you future endeavours.

SAP Labs

-- Gandhali Karnik (Comps)

Preparation:
1. Database from Navathe(normalization) and Korth(recovery and locks)
2. Data structures from Tennenbaum
3. Operating systems concepts, linux
4. Websites: indiabix and programmerinterview
5. Quant: R.S. Agarwal

Online aptitude test: Consisted of 3 sections and each section was separately timed-
1. Logic – mostly R.S. Agarwal Verbal Reasoning type of questions
2. Technical – was divided into subsections: OOPS, Database, Data structures, Operating systems
3. Verbal – sentence completion, comprehension (its easy so don't prepare for it)
Interview: There were 2 rounds, the first one was technical and second was HR
Round 1(Technical)I was prepared with DBMS concepts expecting a lot of database questions from SAP, but guess I was not that lucky:

1. Make the database schema that you used for your WE project. (The interviewer doesn't expect you to remember everything. He only wants to test if you can make a proper relational schema)
2. Questions like 'how did you go about the project?', 'what do you want to improve in it?', 'which module did you work on?',' which model did you use?'
3. Then a few questions on OOSE like 'what are the stages of a software lifecycle?', 'heard about SRS document?'(I said NO…lol)
4. He started off with searching sorting. I was asked to search a key in the given array using binary search, a problem on quicksort and explain it along with complexity and efficiency.
5. 2 questions on CN: Layers of ISO OSI model and functions and protocols of each layer. Difference between TCP and UDP. What is 3 way handshake.
6. A few HR questions : which is your least favourite subject and why. What if you are assigned a project in SAP which is based on that subject. During the apti, the server was down for a lot of time and so we all had to repeat some questions that we had missed out and some people had to repeat whole sections. So he asked me what was my mindset during that time and how was my apti overall.
7. Finally, he wrote 4 zeros on the paper and asked me to use any operators on it and the final answer should be 4.

Round 2(HR):

1. Tell me something about yourself, family background, relocation, hobbies.
2. About my ADBMS project. But I said that it was not that significant so he asked me about my WE project again.
3. Then he asked me 'consider yourself as the CEO of your website. How will you make money?'
4. He started talking about twitter. I told him that I am not even on facebook. Then he said 'I wonder what you do on weekends…lol!'. I said that I use google talk. So he asked me 'which new feature would you like to add to gtalk?'. May be he liked the first feature I suggested so he asked me for another one.
5. My dream company and why.
6. What is more important to you- company or your domain of work?
7. Any questions? (Initially I said no but then I asked, they expect atleast one question so do ask)

                                                                                                    -- Srinath Warrier (Comps)
Aptitude:
Multiple sections with sectional cut-off. Not sure how much we scored in them.. They didnt declare the marks.

Online aptitude test. : major network issue hence many people couldn't finish the sections on time.

Sections -
Quantitative > It included logic, DI , basic maths. The questions were mostly based of indiabix.com, and were solvable.

Verbal > included multiple meanings of phrases , comprehension on forestry. I had zero preparation for this. Just pay close attention to the questions and should be easy enough.

Data structure > need thorough knowledge of one-liners regarding linked lists , trees, etc. for their mcqs.

INTERVIEW 1 (technical):

Purely Java-based.
They asked me almost all conecpts regarding Java including -
inheritance , over-riding, over-loading , polymorphism concept,

Sorting :
Insertion sort - write java code . I started to explain the algo with eg . he was happy and didnt make me write code.

Projects:
Details on web crawler - Uses, What difficulties, Technical challenges, Future scope, etc.

Logical puzzles :

How many types of single straight line cuts for a rectangle are possible so that it leaves two identical cut parts.
Ans: infinite , any line passing through center point.

No of diagonals in a triangle? Ans : zero.
No of diagonals in a square? Ans : two
No of diagonals in a pentagon? Ans: 5 (forms a star-shape)
No of diagonals in a decaagon ?
here he wasnt asking the actual answer but the algorithm to find it. I could tell him the answer only partially at that time. But here is the actual answer:

For an n-sided polygon , no of diagonal is n(n-3) / 2 ,

i.e. [$_nC_2$ -n] = n(n-3) / 2

INTERVIEW 1 (HR):

Detailed description of what they should have done that day morning when the network crashed during the aptitude test. (this was common question to all).

Again, they asked me web crawler - details of project.

And finally ,they asked me if i had any questions for them :)

Best of luck :D

Barclays

-- Andrea Dsouza (Comps)

Ø 1st round – aptitude test

The test consisted of mba level quants + logic +verbal. Negative marking was present. It is advisable to
mark few questions that you are sure of.

Ø 2nd round – group activity

We were given a scenario to discuss. 20mins were given to read it and then discuss it among ourselves.
At the end of the discussion we had to give a presentation regarding the decision we had collectively
arrived at following which we were asked questions about the points we had raised during the
discussion. Students are advised to read the information given very carefully and particularly note the
role that you are supposed to be playing. This is not an elimination round.

Ø 3rd round – interview

It was basically a 95% HR and 5% tech interview. Interview pattern was a competency based one.
Scenario-based questions were asked. For eg.
1. Have you ever been in a scenario where you were the team leader and a member of your team
refuses to work? How did you overcome this difficulty?
2. Is it better to entrust someone with a task they are good at or a task they maybe interested in?
3. What are your strengths and weaknesses?
4. What is the difference between manipulation and influencing someone? Who has influenced
the most in your life?
5. Have you ever gone beyond the specified basic requirements while developing a product?

It is better prepare answers for such expected questions in advance as it is difficult to come up
with answers on-the-spot.

Technical questions asked were:
1. Explain normalization and its various forms.
2. State and explain the various project development models (waterfall, spiral etc). Give an example of a product currently present in the market which you think has been developed using
these models.

Best of luck!
Andrea Dsouza

- Shashank Singh (IT)

Hi,

[Barclays](#) is a financial firm and I have been recruited as an IT engineer.

Package : 6.58L cost to company. Job location: Barclays Technology Center India PUNE.

Its a kind of training for two years (two months or so in london 😊), after which I can choose my field of interest in the company, and if they have a vacancy, they will consider me for the permanent role with an interview. I can also switch for a financial profile after two years, so its a little flexible. They will be facilitating certifications like 6-sigma and PRINCE, so its a kind of IT-Management profile (Thats what I think I can make of it, I've only sat for the ppt, and I honestly will know for sure only after joining😐).

Cut-Off for apti : 65% aggregate.

Round 1: Aptitude test was CAT types (verbal comparatively easier), no tech questions. But it was tough to put it simply. They chose the top 16 candidates who got above the 70% percentile.
Those 16 got a mail in which they gave us what exactly they were looking for. They were looking for a skill-set. We were told to read more on the company and come prepared with questions if any.

Round 2: Group Case study. They gave us a case study to discuss upon and give two intelligent people a presentation on the issue in about 40 minutes. Those people have been observing you throughout the discussion. It turned out to be a question and answer round rather than a presentation.

Round 3: Personal Interview. You just cant say how or where this will lead to. Its spontaneous, on the spot. But I wasnt asked very tough tech questions, they were checking fundamentals and attitude.
I was asked first about my BE project, then basics like OOPs concepts, where have I implemented them (that isnt as easy as it looks), and what-if questions regarding both tech and management skills. The gentleman was extremely friendly, chilled out, experienced, smart (he knew his basics well) and it was a very relaxed one hour plus discussion.

They finally selected two of us.
Suggestions:

1. For ANY company... GET YOUR BASICS RIGHT. Its important to know tech, build up your resume, and everything else that gives you an upper hand. But this is what is extremely essential according to me.
2. DSA,OSCD and DBMS. The most important subjects of any tech placement company. Do know algorithms, try to implement a few in any language you know, and yes, pointers are their favorite to screw you. If its a core company, do know C/C++, although its not a compulsion.
3. be in touch with quant, logic and verbal.
4. Some companies need hard core techies, some need good skills/personas that they will groom themselves, while some need analytical skills/aptiutude. LUCK IS ALSO VERY CRUCIAL.
just give your best and leave the rest, dont get into depression if you are rejected anywhere.

If you need anything else, let me know.

MAQ Software

-- *Swapnil Katale (Comps)*

There were 2 technical interviews and 1 HR interview.

In aptitude they conduct the normal aptitude test which consists of only technical questions(45 min.) and there was 2nd test algorithm test, in which they gave us 2 problem …we had to just write our approach in simple pseudo code format

Technical Interview Rounds:-

They asked some questions asked from aptitude paper to test whether u know the answer or u guessed the answer. I was asked question based upon the algorithm test and asked me to explain the algorithm which I had written in a test and asked to write more efficient algorithm. (Algorithm test was easy but somewhat tricky)
Questions based on C concept like malloc, calloc, difference between malloc and calloc. OOPS concept like encapsulation, Polymorphism with examples, abstraction
I was also asked some questions based on Computer Network, like OSI 7 layer and brief description about each layer also protocols at each layer.
They asked me about the past project (like DBMS & WE projects) and told me to explain the Web engg. Project based on this they gave me to write some SQL queries. They asked me to write javascript validation code, CSS and types of CSS, how to add external CSS and javascript to your document?
Some SQL concepts like JOINS, Types of JOINS with examples, concepts about primary key, candidate key and super key and difference between them
They asked some questions about the Web site development we are doing for Rajendra Prasad Inst. Of communication and Management.

OS concepts like consumer producer problem, monitors, deadlock, threads, processes, paging, segmentation, fragmentation, physical memory, virtual memory.

Asked me to write some code like:
1. Write a program to print prime factor of number…e.g. if input to the program is 24 then it should print 2x2x2x3.

2. Simple code to calculate fibonacii series but they wanted more efficient (using dynamic programming).

Some data structures questions on trees, linked list.

Some puzzles that were asked to me and others.
1. There are 2 candles, both take 1 hr to burn, so how can u measure 45 minutes.
2. There are 5 persons, they have assigned their designations based on their age, they are given 100 gold coins, the person with highest designation distributes coins among themselves. After distribution all of them have to vote against or vote for the person who distributes the coins based on whether they have satisfied with the coins they got. If 3 or more votes r against him (person who distributes the coins votes for himself) they that person would be killed, and the person with 2nd highest designation will again redistributes the coins, so on. So the person with highest designation has to make sure that he will survive and he will get more coins than anybody else, so how will he distributes the coins?
3. Write a ten digit no in such way that like 2nd digit will represent no of 2's in a number, 0th digit will represent no of 0's in a number, 9th digit will represent no of 9's in a number, and so on.

HR INTERVIEW:-

Questions about family background, why I chose computer enggineering as my career. Tell me about your college. What is your experience about this college. Are u happy in this college?
He also asked me some questions based on projects which we did in earlier semesters. He asked me the procedure to connect the JSP with the database (because my WE project was in JSP & Servlet) and also asked me to write database connection string in JSP and sevlet. He also asked me whether I have any questions about the company.

Reliance Industries

-- Mukund Khetan (EXTC)

Profile: Reliance Industries selected students from Electronics and EXTC for Instrumentation profile. It would completely be an on-field job.

Aptitude Tests:

Test 1: It was a test based upon Quantitative, Reasoning and Verbal Aptitude. The questions meant for quantitative aptitude and reasoning were of a respectable level. The verbal aptitude would be difficult for students as it laid stress upon vocabulary. Do work upon your vocabulary in general. It will help you in all verbal aptitude tests.

Number of Questions: 30

Time to solve: 30 minutes

All questions would be pretty logical. Do not practise anything special. It will just judge your general aptitude.

Test 2:- TECHNICAL APTITUDE

Number of Questions: 30

Time to solve: 30 minutes

So you have to be pretty fast. You are expected to know everything about instrumentation. Specially about flowmeters and other pressure measuring instruments. You will also come across questions based upon networking but they will be very basic in nature. Do the conversions of various units related to pressure.

Refer this paper - http://www.indiastudychannel.com/resources/120458-Reliance-RIL-Placement-Paper-Bengalore.aspx

(It is not the perfect format but you will still get a fair idea)

Interview:

The interview will be taken by a panel of two people. There is only one interview round where you are quizzed about your technical abilities as well as your social interaction. They will ask you basic questions on Electrical Networks, Electronic Instrumentation and controllers. Just get your basics right. Op-amp is an important IC upon which you will be bombarded with questions. Luckily I was asked questions based on networking only.

Questions:

1.   Tell me about yourself and which is your favourite subject?(I told Computer networks and so was quizzed upon it later. Also I had mentioned about active participation in IEEE which was also indirectly hinted at)

2.   How many topologies exist in networks?
3.   Which topology is existing in your campus wide network?
4. Explain the network of Indian Railways.
5. Do you know which is the body that sets standards for Wireless communication is?
6. Tell me the exact standard of wireless communication as in the number? (802.1x)
7. Tell me the difference between baseband modulation and broadband modulation.
8. Tell me the advantages of baseband modulation over broadband?
9. Which modulation do we use in Wi-Fi?

I was the only one quizzed on networking whereas others were quizzed upon core electronics. Your interview also depends upon your academic aggregrate and your score in aptitude test. If they are sound enough you are put through a little comfortable interview round.
All the best guys. Do well!!

Nomura

-- Nisha Swaminathan (Comps)

Aptitude Test:

It consisted of 3 sections of 30 marks each.
Time for each section was 20 minutes.

The first section was Verbal Ability. It consisted of questions like

- Identify the CORRECT sentences
- Identify the INCORRECT sentences
- Reading comprehensions
- Arrange the sentences in order to form a logical paragraph

The passages were long and searching for the answers in the passage wasn't easy. You had to read the entire passage to answer the questions.

Even the sentences in the other types of questions were not really simple. So it's important to be quick.

The second section was Logical Reasoning. The types of questions were

- Data sufficiency
- Statement and Conclusion
- Logical Deductions
- All chairs are tables type of questions

This was a very simple section and finished quickly.

The third section was Quantitative Aptitude. The questions included percentage, Data Interpretation (Bar graphs), Time and Work, etc.
This section was not very simple and time was also insufficient. Practice for such questions from indiabix.com and RS Aggarwal.

Note: Once the time for a section is over, you cannot go back to it as they collect the question paper for that section after 20 minutes.

It was conducted by Meritrac.
About 150 people sat and 31 people cleared.

Interview:
There were 2 rounds of Interview. 1 technical and 1 HR.

Questions asked in Technical Interview (One on One)

1. Favorite subjects? (Soft computing, data structures, compilers)
2. What is fuzzy logic?
3. What is a parser?
4. Write a parser for HTML language. (Use stack)
5. If there is a row/col span what will parser do?
6. Java c++ difference
7. Is templates in c++ a good thing or bad thing? (Note: Java 6 has introduced templates!)
8. Asked what are threads and states of a thread.
9. How to make a thread and how do threads function?
10. What are data structures and why are they imp?
11. Gave me a employee table and asked me to make linked list and tree for it. (Made a doubly linked list of lists reflecting employee hierarchy and co-workers. Asked me to modify)
12. What is deadlock? How to avoid it?
13. What is a mutex? Where is it used?
14. How can dining philosopher's problem be solved using mutex?
15. Linux commands (Can't remember as I hadn't even heard of them)
16. What is normalization and what are the types?
17. Gave another Dept table along with prev employee table and asked me to write join query

HR Interview (One on one):
Just asked me what all offers I had in hand, how many aptis I had cleared, why I didn't clear the tech interviews of those companies – Here, be very honest and tell them what

actually went wrong. I told them I hadn't prepared some subjects as I concentrated on aptitude tests.

He asked me if I was doing something about it. While answering, it always helps if you give examples and proofs of how you have improved.

Then he enquired about my future plans. Be sure of what you want! HR isn't a difficult hurdle if you just speak confidently and clearly.

Package:

They told us its 5 l.p.a plus a 1 lakh signing bonus. The office is in Mumbai (powai).

On the whole, the interviewers were really nice and not as intimidating as they looked

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--Sagar Tamboli (EXTC)

APTITUDE TEST
- **3** sections (advanced verbal, reasoning and quant)
- Each section consisted 30 questions – 30 minutes each (time was an issue here and you need to be extremely quick in answering)
- As far as reasoning is concerned it was simple but quant was not easy. Enough practice would help you clear this section.
- Verbal section included 2 long passages and about 15-17 CORRECT INCORRECT sentences.

NOTE – Speed was an important factor to be taken cared of in this test. Try to attempt as many as possible (in fact all because there were no negatives)

TECHNICAL ROUND

Since I was an EXTC student they didn't drill me much into technical but made sure that my concepts were clear.

Following were the questions asked to me-

1. Why IT if you are an EXTC student? (most likely question for an EXTC student…prepare well)
2. basic difference between C++ and JAVA
3. Does C++ have multithreading?
4. What do you mean by encapsulation?
5. What is data hiding, polymorphism? (frequently asked question in interviews)
6. Write a code to find factorial of a number? Which algorithm does it use?
7. What if you write "public void static main" instead of "public static void main" in JAVA? Will it compile?
8. What is your BE project? Its applications.

Since I had 2 NCFM certifications(financial markets and mutual funds) following were the questions asked to me regarding it-

1. What are mutual funds?
2. List as many mutual funds you know?
3. How do mutual funds work?
4. Why did you give NCFM exams? Was it due to interest or just for the sake of giving?

HR ROUND

1. Tell me something about yourself (obvious question….but don't start with your name and college and don't repeat stuff which is already stated in your resume)
2. Do you have any job offers?
3. How would a professor in your college describe you?
4. What other qualities do you have apart from being good in academics?
5. Family background
6. Future plans

NOTE – They definitely ask you if you have any question for them…please ask a genuine question and don't ask just for the sake of asking.

Fortunately we were able to see their evaluation sheet and these were the qualities or skills they were looking for

- Communication skills
- Confidence
- Leadership skills
- Technical skills
- Body language
- Analytical and problem solving ability

Just be **yourself !!** Be **confident !!**

LnT Infotech

--Neha Yadav (ETRX)

The L&T InfoTech's aptitude test was pretty simple. It consisted of 90 question 30 each of Quant, Logic and Verbal to be solved within 90 minutes. Quant consisted of basic numerical of Time speed distance, Time and work, Number System and Ratio and proportion. Logic consisted of sums based on arrangements, if…then type and deductions. Verbal consisted of vocabulary test, also choose the best phrase for the sentence, para jumbles, and a reading comprehension. There is a sectional cut-off, however question are straight forward.(14 in total were shortlisted)

The aptitude test is followed by the group discussion where my topic was "Everyone jumping into software industry is good or bad". Here you need to speak clearly and confidently that's what they check for. (10 were shortlisted)

The short listed students gave their technical interview. He did ask me simple questions as I was from electronics background. The first question was "Why Software industry when you have done engineering from Electronics". His further questions were

What is object oriented programming?

If you are unable to debug a code how will you tackle it?

Give detailed explanation about your project and also about the software part in it?

How will try and match your colleagues from Computer and it department?

Which languages (technical) did you learn in curriculum?

Then we were asked to write an essay. My topic was "Similarity and difference between India and China" followed by HR interview.

Indus Valley Partners

--Gaffney Mendonsa (Comps)

Name of candidate selected : Gaffney Mendonsa
Salary : 4,75,000 + 75,000 (Yearly Bonus)
Job Location : Mumbai (SEEPZ, Andheri East)
Process :
1. Aptitude Test (in college)
2. Technical cum HR round (at the office)
3. Interview with the Director (at the office)
Questions asked :-
Aptitude Test:
Subjective + Objective Questions. Subjective Questions mainly consisted of programming examples in language of your choice (Preferably Java). Objective questions contained basic quant and java.
Technical Round:
1. Is Java a pure object oriented language ? Give proper reasons for your answers.
2. What is a database? Which are the important points to be taken care of while designing a database?
3. Name and explain the properties of a transaction? (ACID)
HR Round:
1. Tell me about your strengths and weaknesses with examples.
2. What do you know about IVP? (Most Important question for any company. They particularly get impressed if you provide information about the company and their latest products)
3. Why should we hire you over the others?
Director:
1. Why are you keeping the beard? (lol...This was the main topic of the entire 45 minute discussion)
2. Please explain to me something about your religious views.
3. What do you know about IVP ?
Suggestions : It is a new company (about 10 years). Hence the thing that impressed them the most is that I did good research about the company. Browsed through their website thoroughly, watched videos and understood their strategies. Also I was well versed with my concepts of Java and Database and that was what was on my resume as well. Please feel free to contact me regarding any topic about the placement process in general and for any kind of help. My strong areas are Java, Database and Linux.
Wishes : All the best. Do well and God bless you.
Contact No: 9619947441

Quinstreet

--Apurva Nigam (Comps)

Quinstreet recruitment process consisted of aptitude test followed by technical and then HR interview. Aptitude and interviews were held on a same day and result was declared in the same evening. Recruitment process had following format:

Aptitude Test Format (had 6 sections):
Aptitude test had following six sections. No negative marking.

1st section: 10 objective ques.
Analytical, Logical reasoning and Quantitative analysis.
2nd section: 10 objective ques.
Questions on C language.
3rd section: 10 objective ques.
Java (5ques) + OOPS concept (5ques).
4th section: 5 subjective ques.
Questions on Data Structures.
5th section: 5 objective ques.
On SQL
6th section: Subjective ques.
We were asked to write code for any two problem statements out of given four.
Problem statements were like "write a code for any scheduling algorithm", "implement cache memory", etc.

Paper was not lengthy, enough time was given. It was not very simple but not tough also. No obvious questions were asked, all were a bit logical and conceptual. In data structures, questions on AVL, sort, and search were asked. Result of aptitude test was declared within 2 hours.

Interview Rounds:
Questions asked in interviews were different from the topics asked in aptitude. Interview was all logical. Questions only on Web technologies were asked, all related to web. They don't ask puzzles, so no need to prepare that. Following are few questions I remember which were asked:
 Tech Interview: This was all logical.
·   Started with How r u?

- Tell something about yourself.
- What r your negative points?
- Why Quinstreet?
- They asked how u will design a search engine.
- Questions on AJAX, page ranking.
- Equals and hash codes in JAVA.
- How will u detect a new web page has come and add it into database?
- He gave a hint:-What will u do if your friend's number is unreachable. How will u contact him?

Answer: - Trigger when an event occurs, use callback() etc.

- Which data structure will u use for storing keys and links?
- How will u store it in the memory?
- And more questions.
- Last question: Do u have any question to ask?

HR Interview:
- What does **degree/education** mean to u?
- Are you placed? Reply- **no.**
- Not any non dream company also?? Reply- **yes.**
- Then y r u here?
- About family.
- If you are an interviewer who do u think is the most deserving/potential candidate among other candidates.
- Few questions from resume.
- Any question to ask?

All the Best.

Microsoft
(Process for Internship of summer 2011)

--Preeti Ramaraj (Comps)

Day 1
We had the aptitude test first which had a list of about 10 questions and to be solved in an hour. They consisted of questions testing topics like logic, dbms queries, recursion,WE test cases, pointers and debugging as well. Language is not very important, psuedocodes are fine but C or C++ is usually preferred.

Day 2
They ideally have 2 or 3 rounds of interview. You have to pass each interview to go on to the next one. First is the technical round.
For the internship, they concentrate on the basics like DSF, OS, DBMS queries, C++ . They give you applications and expect you to use these basics to implement those applications. Also, they do look at the projects that you have done before and will mostly ask you about how you did it, the flaws you can find in it and also what else could you have implemented in it. I was asked the following questions.

1)Define a class for a car defining functions and attributes for the same.
2)How to implement abstract class in the above example
3)How would you store an employee database which has to be referred on a daily basis.
4)What would be the best way to access these elements in minimum time
5)Difference between pointer in C++ and node reference in Java
6)Was asked about my ADBMS project which was a hotel management system, also asked queries for special cases in that and database design for the same
7)How are pages stored and replaced in the OS
8)How would I implement my WE project such that it could be made into a mobile phone application using the same program.

The 2nd round of interview is an HR cum logical thinking interview. Besides the usual HR questions, they pose problems and see how you solve it. I was asked the following questions
1)Why did you take computer engineering?
2)What is it that you like in computer engineering?
3)Which technology has touched your heart? Why? (Mobile phone technology is what I answered)
4)Which mobile company do you prefer? Why?
5)What is one problem that you are currently facing in your life? (I answered time management)

6)How would you solve the problem of time management using mobile technology?

One thing I'd like to highlight is once you have qualified for the interview round, just be yourself. They expect you to be honest. If you don't know something, it is ok to say you don't, but do make an attempt to try it and make sure they know what exactly you're thinking. They don't always require the correct answer, but let them know your approach as that might be enough for them. But if you say that you do know something or it is on your resume, make sure you can answer questions about it. All the very best! :)

--Sumiran Shah (Comps)

- Design problem: Car park, a central college announcement system etc
  - o Class diagrams
  - o How would you go about implementing it
  - o Resources you would need (money, time, manpower)
- Puzzles: determine the number of white squares on an 8x8 (or NxN, generalized) board of random 1x1 white and black squares. (If there are 4 adjacent 1x1 squares forming a 2x2 square, it is to be counted as just one)
- Algorithm: Efficient way to determine if a number is a power of 2
- Theory:
  - o OS: Page replacement policies, Process scheduling algorithms.
  - o Database: indexes, queries.
- How would you implement a game of solitaire?
  - o Data structures you would use (linked lists for the bottom area/stacks for the top right/pair of stacks for the card dealing)
  - o How would you implement the hint function
  - o Followed up with: can you change your implementation of the data structures to make the hint function more efficient?
- HR/Socio tech questions:
  - o Name one problem faced in your college that technology can solve (followed by a design problem on the same.)
  - o Projects you have done, based on your resume
  - o Hobbies
  - o People you look up to
  - o Your greatest fear
  - o Why Microsoft

Microsoft (FTE)

-- Sneha Parmar (EXTC)

It might be surprising for you (and actually, more so for me) that people from non Comps/IT have a chance at Microsoft. Well, however, if you have enough passion and work hard for anything you can get it. So for all those aspiring to get placed here, I hope the information I share will help you. However, there's no guarantee that this is exactly the process they will follow next year.

1.   Aptitude test:

We had a test of 10 questions, mostly subjective, and for an hour. There was 1 problem on getting the output, what is returned by main in C/C++, developing three programs (in some, you need to write a pseudo code and in some, the actual program).They were based on pointers, arrays, and they were mostly concentrated on algorithm developing skills.

Program/pseudo codes on:

1.   Compute and list all possible uppercase/lowercase combinations of the string 'THE'

2.   Display the character which has occurred max. no. of times in a string and display the no. of occurrences.

3.   There are two int arrays, with each of them having enough space to accommodate the other, sort the numbers.

There were questions on advantages of hosting application on cloud, test cases for shopping cart application, a question on how you will handle a certain no. of servers which have to stream real-time for paid subscribers over a certain no. of countries. My suggestion is that, keep in touch with anything new in technology and at the time of the test, couple all that you know, with your own logical thinking.

2.   Interviews:

The initial interviews will be technical rounds followed by HR. The number of interviews can again vary. I had two rounds in which the first one was purely technical, the second one was technical +HR. After you clear your test, I suggest you discuss the questions, find out different approaches to solve the same problem. The first interview started with 'tell me about yourself', followed by questions in the aptitude test. Then there were questions were on function overloading, OOPS, selection sort algorithm, bubble sort, merge sort, how will you design a library system wherein a chapter name is given, and you have to locate the book. I was asked why is the bandgap energy of silicon and germanium different and what are the values. Don't bluff if you don't know the numbers. There was a puzzle on how to know the heaviest of the 9 marbles in least iterations (8 have equal wts.), and different ways to do it, and why is one efficient over the other.

The second round was longer and specifically concentrated on coding. I was asked which question I found the most difficult, and then he asked me to write the code for it. Then there was a discussion on what were the problems with that code, how could I develop a simpler and more efficient algorithm, and why one technique was better than the other. The basic thing was they want to know your problem solving approach, your coding skills, and how well you can think of optimizing it. And once you have developed it what are the inputs you should try to know that its working perfectly. There was another question, again on writing a code .I was allowed to use any programming language to solve it. Practice well before you go. There was also a question on my mini-project, and what did I learn from it.

The last part of the 2nd round was the HR . I was asked what are your weaknesses, what makes you angry or sad, who's your favorite actor, will you buy a ticket in black to watch his new film (!!), why Microsoft, what are the Microsoft products you know, what is your aim in life, tell me any social problem you can think of, how will you solve it using technology (and how do you think it will really change the situation, think of other ways..).

Hope this helped, and all the best for your future!!

Capgemini

-- Manali Jiwtode(Comps)

Name of candidate selected : Manali Jiwtode
Salary : First 6 months of training: 2,40,000 p.a
Post 6 months: 3,05,000 p.a

Process :
1. Aptitude Test (in college)
2. Technical cum HR round (in college)

Questions asked :-

Aptitude Test:
The aptitude test had three sections:
1.Verbal
2.Quant
3.Logic

Technical Round/HR Round:
1. Tell me about yourself.
2. Tell me about the projects you have undertaken.
3. What is SDLC? Which SDLC has been used in your BE project?
4. How has testing been conducted on your BE project? Who does the testing? Difficulty experienced during testing?
5. Tell me about your family.
6. Do you have any questions?

Suggestions : The interview mostly revolved around project work done over all these years and the technologies used in them and the approach used in developing those applications.

Wishes : All the best. Do well and God bless you.

Amdocs

-- Dhaval Shah (EXTC)

Aptitude test:

It consisted of 95 questions (120min). There were 2 sections.

1. General aptitude & reasoning
    It was divided in three sections:
    1. Normal aptitude (15 questions)
    2. Reading Comprehension (15 questions)
    3. Logical (15 questions)
2. Technical aptitude
    It was divided in three sections:
    1. Programming language (C,C++ or Java) select any one. (20 questions). Select language properly because your interview will be based on that language only.
    2. Unix (15 questions)
    3. SQL (15 questions)

General aptitude was very easy. You can easily solve it. Some questions were like if '+' is '*' and '/' is '-' etc then solve the given equation, finding similar picture etc. Reading comprehension was technical passage. That was easy too.

In technical aptitude I had selected 'C'. Questions were logical and normal. They were mainly based on finding the output of the program or errors in the given code etc. It was mostly on arrays, pointers and preprocessor directives.

UNIX questions were based on the commands and its use. Some questions were based on the vi editor. Remember the options of the command and its use.

SQL section was tough for most of us. I had studied basic queries and its format but I cannot find a single question on basic queries.

Normally aptitude test of Amdocs is online but due to technical problem we had paper pencil test. Duration and no. of questions was same.

Interview Rounds:

There were two interview rounds.

Round 1: Technical Interview

Some of the interview questions are:
1. Explain your BE project.
2. What is your contribution in it?
3. In which stage your project is now?

4.   Why Amdocs? (Being an EXTC student I told that I'll be in tele- communication industry) then they asked me question on telecommunication
5.   How mobile call is established?

Then there were some questions on C and UNIX.
1.   What is pointer in C?
2.   Application of union in practical life.
3.   What is links in UNIX?
4.   Types of links and explain.
5.   In command *'cd ..'* what does '..' mean?

Round 2: HR interview
Some of the questions that I remember:
1.   What are your achievements till date?
2.   Why Amdocs?
3.   Family background

For technical interview your C(or language you have selected) and UNIX concepts must be clear and be confident in giving answer. If you don't know the answer than simply say I don't know but do not bluff. For UNIX I had referred "UNIX concepts and applications" by Sumitabha das.
So ALL THE BEST guys!!!

JP Morgan Chase

-- Gautam Nichlani (Comps)

Aptitude Test:

The aptitude test conducted consisted of 3 sections:
1) Quantitative Analysis (Quant + Data Interpretation + Logic).
2) Verbal.
3) Technical.

Time allotted for the test: 20 mins per section. Questions for next section given after completing one section within 20 mins. So don't leave any question for the end because you will have answersheet but not the question till end.

There were no negative marking in any of the sections. You can make logical guess. The most difficult section was technical questions. Most of the technical questions were lengthy and consisted of pseudo codes and we had to guess the output (codes were almost as big as one side and each having nested loops. Advice is make logical guess. Don't sit and evaluate entire code for long).

Group Discussion:

Groups of 8 people in each were formed.
Any general topic would be given. Time allotted is 15-20 mins.

Speaking skills matter a lot in this round. Improve them and alongwith that you should also be logical. Do not speak just for the heck of showing you can speak. Speak when you feel its appropriate.

The number of candidates who get short-listed through a group for interview rounds is not fixed. It depends on individual performance.

Interview Rounds:

There was only one round of interview i.e. technical cum personal. The technical round was based mostly on your resume. Be prepared to answer any question from your resume. They thoroughly go through your projects.

Some questions that they asked me and some others were:

1. Basic C programs were presented and we were asked the output for them. Revise concept of pointers properly as each code was based on them with increasing level of difficulty.

2. One person was asked to normalize the tables of their project.

3. They also asked us to write logic for some programs.

Etc….

Non technical questions were:

1. Basic questions about yourself.

2. Based on your resume.

3. General discussions were done.

Etc…..

IBM

-- Sarthak Lad (ETRX)

IBM Global Business Services is one of the major divisions of IBM Global Services which forms the largest IT consultancy firm in the world
The placement procedure started with the pre-placement talk of the company followed by the 5 different rounds of selection.

Aptitude test
Aptitude test for IBM GBS happened to be the online one. We were given the ID codes and password for logging in
the particular site and then take up the test. The test consists of two sections only - i) Questions related to number series -
People studying for MBA would not find it difficult to solve, from simple to 'pure brain-teasers', the questions had it all.
ii) Quantitative Aptitude questions - All word problems covering the arithmetic topics of profit-loss, averages, interests and
probability too. The one with good practice on it could find it easier to solve.

Written Communication Test
It formed the part of comprehension reading, the difference being we were not to answer the questions.
The situation described the IBM as leader in consultancy firms and how it has influenced due to the globalisation of the same.
The answer-points to be written were in context of an extended employee-client relationship with me being the employee and convincing
the client that they won't be let down for choosing this service.
This test was meant to check if we were good in such kinds of formal business communication.

Group Discussion
It consists of 9 people in a group. Topic given to my group was ' Future Source of Energy - Solar or Atomic '.
Fair enough topic to talk a lot. Speak out your points in a well-prepared manner, need not deviate unnecessarily.

Work out on your oratory skills-which will help right from the beginning of the placement seasons.

Interview 1
This interview can be said as technical as well as HR. Be very well prepared about what you have mentioned in your resume, the interviewer
focuses mainly on final year project and extra-curricular activities. Then I was asked two-three puzzle questions. I answered two confidently
and got screwed in third one. Your approach for problem solving skills was being tested.

Interview 2
This interview was complete HR. Family background, extra-curriclar again was asked, about your engineering life, relocating, etc. Some more questions which I never expected to be asked such as 'What your friends think about you?' ,'What qualities do you lack as a student and friend?', 'What different languages you speak?'. Just answer fluently and frankly. That is what interviewer is expecting.

Overall this placement procedure took a whole day long to complete and in the end...
' Give your Best, forget the Rest '...

Geodesic

--Shweta Kapgate(Comps)

Name of candidate selected : Shweta Kapgate

Salary : 3.25lpa +yearly bonus or (25,500/month in hand)

Job Location : Mumbai (SEEPZ, Andheri East)

Process :

1. Aptitude Test (in college)
2. Technical (2 rounds) cum HR round (in college)

Questions asked :-
Aptitude Test:
Subjective + Objective Questions. Subjective Questions mainly consisted of programming examples in language of your choice (Preferably Java). Objective questions contained basic quant and java.

Technical Rounds:(2 rounds)
1st technical Round :
Throw questioning of any programming language (preferably Java),mobile operating system(android) ,web technologies (php, ajax ,flash,servlets) which lasted for 40 min.

2nd technical Round :
Questionnaire on current Be project ,the earlier projects ,any internship (as I have made a website for an Ngo),given any problem definition develop a code (this is the main objective for getting selected for next round) which lasted till 30min.

HR Round:

1. Tell me the company products that u may know or be using (as it is a product development company ,Most Important question for any company. They particularly get impressed if you provide information about the company and their latest products)

2.Tell me about yourself(strengths and weakness).

3.Anything u want to ask about the company.

Suggestions : As it is a new company and the job location is only in Mumbai the thing that they look for is how good u r in technical and logical thinking (basically presence of mind) and how much u know about the company as I Browsed through their website thoroughly, understood their strategies. Also I was well versed with my concepts of Java ,Operating system ,web technologies and that was what was on my resume as well. Please feel free to contact me regarding any topic about the placement process in general and for any kind of help. My strong areas are Java, Web technology ,android.

Wishes : All the best. God bless you.

Contact No: 8097379594

KPMG

--Bhisham Mirchandani(EXTC)

This company has one of the most unique selection procedures in that there was neither a pre-placement presentation nor an aptitude test. They focus instead on general knowledge, your natural talents, your clarity of thinking and speakingand most importantly your honesty. There were 5 rounds:

Round 1: Group Discussion:

As soon as we arrived, we were made to sit for a G.D. The topic given was "Social networking sites like facebook and twitter are changing the fabric of traditional India" Here, it was important to come up with strong, relevant, original points and also point out both meirts and demerits of other people's points (supported by as many facts as possible). Since the topic was common, everyone came up with good opinions and co-operated well. After 10 minutes, they asked each of us to conclude individually. Here, it was important to quickly summarize and end your exposition in a few sentences only. Some people were unable to quickly give their final opinion spoiling their chances of going to the next round.

Round 2: Group Discussion:

The topic for the second G.D. was "Will the introduction of Walmart and Amazon destroy the kirana stores in India?" This was a moderated G.D. meaning the evaluators were also asking questions to us in the course of the discussion. Those of us who knew a lot about this topic had an obvious advantage however the evaluators were egging on the others and insisting that we speak less about economics and more about the local effects we've seen and can imagine. Here it was important to make the most of the knowledge that we had, piggy-back on other people's points and make sure we can justify our opinion (because they can ask us about it right there and then)

Round 3: Panel Interview:

Each of us had to face 3 interviewers. Initially they asked me what I'm passionate about and which of my achievements I'm most proud of. Here, there is a lot of flexibility because they respect any natural talent with which achieved something. After you explain this, their questions will be more about how that talent will help you do your job with them. Some of the questions were:

1.   Tell us about yourself
2.   Which other interviews have you attended? (Here, just give an honest account of why you are sitting for this interview and what happened in the others)
3.   Tell us about your family
4.   Are you comfortable living outside home and travelling a lot?

5.   Questions based on my resumé- explain your BE project, what kinds of books do you read, etc. (Make sure you only put your best achievements and hobbies on your resumé so that you can explain them with confidence)

Round 4: Personal Interview:

This was conducted by a different member of their team. The interviewer was careful to cover each point on my resumé along with some other questions. Some of the questions were

1.   Which newspapers do you read?
2.   What have been the most recent developments in the Indian telecommunication industry?
3.   Other than these, what are the features of the Indian telecom industry? (in fact, each of us was asked about our branch focussing on the status of the industry as well as about the technical exposure that we had in college)

Each of the interviews lasted about 30 minutes and they do scrutinize your personality. So, make sure you focus on your natural abilities and speak with clarity and honesty.

Round 5: Essay:

We were given 15 minutes to write one page on the topic "Education and Success: Is there a correlation?" Here, you need to put forward your view of success and try to show that you can make it real with whatever you feel you've learnt in college. Basic essay writing skills help because of the time constraint (eg. I started with a quotation) It's important to quickly organize your thoughts and write them down even if they are not perfect.

"Be honest, be natural, be yourself"

CISCO

-- Rishabh Shah (EXTC)

This was a pool campus placement which included a total of 4 colleges-S.P, D.J, TSEC and VESIT (apprx 350+ students). The job profile was software and a part of the job profile mailed to us mentioned: Solid understanding of distributed systems and networking principles, plus working knowledge of related disciplines, e.g., computer security, algorithms, database, and operating systems.

Round 1: Aptitude test:

It was a 1 hr long test and it consisted a total of 50 questions (Multiple choices). 20 questions were on quant. As they were time consuming, I would recommend you to start with the next set of 30 technical questions. The technical questions were based on electronics –Microprocessors (importance of all pins, interrupts, basics of peripheral ICs), Operating Systems (Scheduling Approaches, Memory Management, and processes), Flip Flops, All sorts of additions and subtraction (2's complement, half binary etc), C programming (Find the error/output problems), Networking (TCP/IP, DNS etc)

Approximately 70 students were shortlisted for the 1st round of interviews.

Round 2: 1st technical Interview

It will be a one on one interview which generally lasts for 45 mins. Firstly they will go through your resume very closely. Don't add unnecessary details in your resume and keep it short as possible. They firstly ask your comfort zone(could be either programming or testing based). I said programming and networking. I was then asked the following questions:

- What type of errors do you face while programming? What happens when your program goes to an infinite loop? How do you solve such errors?
- What happens when you don't write the base case (return statement) of a recursive function? (Ans: Goes into an infinite loop and stack overflows and hence an exception will be called)
- Write a program to reverse a linked list. Then I was asked to use recursion in this program.
- Problems/errors in c++. Problems faced in JAVA.
- What is modulation? Different types of modulation. What is Phase modulation? Where is Frequency modulation used?
- What is the circuit diagram of an oscillator?
- In which layer does a router work? Explain the functioning of a router.

- Puzzle: consider an 3X3 array of dots. How can u join all the points without lifting your pen in 4 lines.
- In which sector would you like to see a growth? How will you contribute towards it?\

Round 3: 2nd technical interview(they call it a managerial interview)
Again a one on one interview. It was much shorter than the 1st. Here they ask u only a few technical questions and a real life situation. I was asked the following function:
- Write a program to swap two integer nos. If u replace the two integer variable with char* pointers. How will the code change? Will it work?
- How to free a memory of a node (i.e. delete a node) in a linked list?
- The interviewer went through the extra curricular activities of my resume. When he found cricket as my favorite pastime, he asked me to design a machine that will do the bowling. What all parameters will I feed in the system (eg. Variation in pace, line, length etc) and how can I improve it on different pitches? (I mentioned about neural networks)
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- Example of application layer protocols that use TCP/IP. Explain DNS. What exactly happens when you put google.com in the address bar of your browser?

Round 4: HR Interview
You should be totally relaxed here and be high on confidence. Be very genuine and straightforward. Apart from typical H.R questions, also prepare for such questions:
- What part of engineering has helped you the most? How?
- What other job offers do you have? Why do you want Cisco over that company?
- What do you know about Cisco?

Tips:
- Make one or two languages very stong. You should be able to write the pseudo code for any program which u may be asked.
- Do networking thoroughly. Working of all protocols, OSI layers etc. (Book: Data Communications and Networking by Forouzan)
- Do basics of operating systems. I was asked only in the aptitude test.(Operating systems by William Stallings)
- Data structures: Go through Linked lists very well. Practice the pseudo codes on the operations that can be performed on linked lists. Do basics of sorting,searching,hashing. (I did this majorly from internet. No particular sites as such. But difficult problems on Linked lists would be quite simple to find)

- Electronics: Go through some of   the microprocessor concepts like interrupts, pipelining etc. Do basics of important electronic components like OPAmp, Oscillators, Counters etc.
- Solve aptitude tests for programming languages and objective questions for O.S

J.P.Morgan IBS

-- Rushabh Vora (EXTC)

Basic knowledge of finance is prerequisite for getting shortlisted for any round in J.P.Morgan

I would recommend NCFM exams in order to clear your basics in finance. Reading Economic Times (ET) or any other financial press (especially Editor's page of newspaper) would help you to enhance your knowledge. You may also refer www.investopedia.com to clear your basics.

There were 3 stages. In each round shortlisted candidates proceeded for next round.

1. Group discussions based on Indian Economy
2. Written Test
3. Personal Interviews(2 or 3 depending on their satisfaction)

Group Discussion

Our group had 8 students. We were given 15 min; 1 min to think, 13 min to discuss and 1 min to conclude.

All topics required basic knowledge of finance.

Topics given to all groups

1. Does Sensex mirror Indian economy?
2. Indian economy in 2025
3. Effect of Rupee depreciation on Indian economy

Written Test

It consisted of approximately 25 questions: subjective and objective. Almost 18-20Q's on finance 2-3Q's on Quant and 3-4Q's on personal information

Few Question which I could recollect:

1. Market value of Facebook
2. How many companies contribute to movement of Sensex and nifty?
3. What is market capitalization?
4. Arrange company's market capitalization in descending order
5. Describe any 1 IPO you followed
6. Arrange in descending order of risks: govt bonds,1 rupee, gold, fixed deposit and stock
7. 3 strengths, weaknesses (important for interview)
8. Why Finance, J.p.Morgan? (important for interview)

Interview

1st interview

Personal interview tested analytical skills and finance knowledge. An interview generally had a case study, few questions on quant and questions on strengths, weaknesses etc mentioned above.

Most important part of interview was case study or situation based puzzles. Various case studies asked in different interviews:

1. Estimate number of Nano cars that can be sold in Mumbai
2. Estimate audience/revenue collected by Dirty picture in its 1st week
3. Revenue model of various companies(generally telecom companies)
4. How does Facebook earn money?

The panel would counter question you at every assumption you make in above case studies, so be ready with rational answers. The panel would also ask finance questions and terms like repo rate, reverse repo, CRR etc. You can easily answer these questions if you are reading ET.

2nd /3rd interview

2nd may be pure HR interview (in my case) or few more case studies. If required there may be 3rd interview.

If you are genuinely interested in finance, you will enjoy the selection process!!!!