

Relevant Knowledge	Problem Statement	Appropriate Formula	Solution
Total Mark			

Assignment

of

Software Project 6

Submitted to,

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Adobe

Company Info: Adobe is an American multinational computer software company. The company is headquartered in San Jose, California, United States. Adobe has historically focused upon the creation of multimedia and creativity software products, with a more recent foray towards rich Internet application software development. It is best known for Photoshop, an image editing software, Acrobat Reader, the Portable Document Format (PDF), and Adobe Creative Suite, as well as its successor, Adobe Creative Cloud. Adobe was rated the 5th best U.S. company to work for in 2003, 6th in 2004, 31st in 2007, 40th in 2008, 11th in 2009, 42nd in 2010, 65th in 2011, 41st in 2012, and 83rd in 2013. In October 2008, Adobe Systems Canada Inc. was named one of “Canada’s Top 100 Employers” by Mediacorp Canada Inc., and was featured in Maclean’s newsmagazine.

Recruitment Process: Adobe conducts 5-6 rounds to select freshers as MTS (Member of technical staff, equivalent to SDE) in their organization. The following rounds are conducted:

- Online Coding + Aptitude Round
- Multiple Technical Rounds
- HR Round

Online Round: The online round is hosted on Hackerrank and the candidates are presented with 2-3 coding questions + General Aptitude + Output related problems. The coding problems are generally from Arrays and Strings. The whole round is around 60-75 minutes

long. Selected candidates sit for further personal interviews.

Technical Round 1: Technical rounds are face-to-face rounds in which candidates are presented with a mix of questions from DS/Algo, OS and memory management related topics. A strong understanding of theoretical concepts as well as implementation is needed to clear this round.

Technical Round 2: More algorithmic problems, including recursion, graphs and DP questions, along with puzzles are asked. Project related questions are also sometimes asked in this round, and the technologies associated with it. One should know the everything about his project as the questions can dive deep into technological aspects.

Technical Round 3: This round generally consists of System design problems, conceptual and implementation questions from OS and DBMS. Algorithmic and coding questions of medium-hard difficulty are also asked, including conceptual questions from c/c++.

HR Round: You can expect HR questions like : 1. Why Adobe? 2. Tell about yourself. 3. Your shortcomings and strengths. 4. Details about the technical stuff done in college.

Microsoft

Company Info: Microsoft Corporation is an American multinational technology company with headquarters in Redmond, Washington. It develops, manufactures, licenses supports and sells computer software, consumer electronics, personal computers, and services. Its best-known software products are the Microsoft Windows line of operating systems, the Microsoft Office suite, and the Internet Explorer and Edge web browsers.

Microsoft was founded by Paul Allen and Bill Gates on April 4, 1975, and rose to dominate the personal computer operating system market with MS-DOS in the mid-1980s, followed by Microsoft Windows. Since 1990, the company made a number of corporate acquisitions, their largest being the acquisition of LinkedIn for \$26.2 billion in December 2016, followed by their acquisition of Skype Technologies for \$8.5 billion in May 2011.

Recruitment Process: Microsoft conducts 4 to 5 rounds to select the freshers as SDE in their organization:

- Online Round
- Onsite Round
- Technical Round 1
- Technical Round 2
- Technical Round 3 (System Design Round)
- Technical-cum-HR round

Online Round: The CoCube or the online coding round consists of 5 to six competitive coding questions with a time limit running between 1 hour to 1 hour 30 minutes. The questions level varies consisting of questions from

domains of Arrays, String, Single Linked List, Double Linked List etc.

Onsite Round: The group fly round or the onsite round consists of a written coding contest. Questions are provided and time span of 10 to 15 minutes are given to solve it and another 20 minutes are provided to explain the approach to the mentor, under whose supervision one is assigned to do the task. One should be well versed with the domains of competitive coding, data structure and algorithms to clear the round.

Technical Rounds: These consist of face to face rounds with the interviewer and to pass through these round one should have good knowledge regarding the facts mentioned in the CV. The questions are generally asked from the projects, internships or training mentioned in the CV. Following this one should be well known with the course related subjects like Data Structure, Algorithms, Operating System, Networking, Database Management etc. So, basically, the interview tests whether everything mentioned in the CV is full proof and the interviewee is having in-depth knowledge regarding the subjects dealt during the course of engineering. Students can also be expected to write codes in the interview. The final technical round consists of System Designing where questions from various domains can be asked like Cloud Computing, Microsoft Azure, Dropbox and various Microsoft technology driven engines.

Technical-cum HR Round: This round deals less with the technical questions but more with the HR questions like:

- Where do you see yourself in next 5 years, 15 years and 25 years?
- Questions on family background.
- Strengths and Weaknesses.
- Questions on the facts mentioned in the CV.

Cvent

About Company: The Cvent event marketing & management platform provides event organizers and marketers with software solutions for online event registration, venue selection, event marketing & management, virtual & onsite solutions, and attendee engagement. Cvent's technologies automate and simplify event administration while also maximizing the effect of in-person, virtual, and hybrid events. Cvent's supplier and venue solutions help hotels and venues capture more group and corporate travel business through Cvent's sourcing platforms. Cvent products optimize the event management value chain, allowing clients all over the world to manage millions of meetings and events.

Recruitment Process:

- Written Round
- Coding round
- Technical interview
- Aptitude a personality assessment test
- HR Interview

Cvent Eligibility Criteria:

- Qualification/ Degree: Any Graduate

Written Round: MCQ Questions on aptitude and computer science fundamental subjects, Programming Logics.

Coding Round: Medium – Hard Level Data Structure and Algorithms

Technical Interview: Data Structure and Algorithms Questions and Discussion on Projects and Computer Science Concepts

Aptitude and personal assessment test: MCQ Questions asked in English and Mathematics.

HR: Normal HR Questions



Company Info: Magnito Digital is the largest digital agency of Bangladesh with a team of more than 60 people. We are famous for our unconventional company culture. Our experience and massive setup allows us to deliver services at unparalleled scale. We have built leading brands in the digital space and are the go-to-agency for managing digital products & services. Being one of the most awarded digital agencies of Bangladesh, Magnito Digital won Gold to become the 'Campaign Asia-Pacific : Digital Agency of the Year 2015' in the 'Rest of South Asia' category. In 2016, Magnito won 8 Awards at the Commwards 2016, organized by Bangladesh Brand Forum, in partnership with Cannes Lions.

Requirement Process:

- CGPA doesn't matter in Digital Agency.
- Main criteria is employees need to be skillful in the particular work.
- Don't need to be too much professional must be charming and enjoy his work.
- For new recruits Magnitio looks for portfolios depends on the work position. Specially for creative department.
- Experienced people.

Brain Station 23

Company Info: It was in 2006, with little capital but a pocketful of belief our CEO, Raisul Kabir started Brain Station 23, a software company, right after graduating from BUET. The new company initially focused on the international market with the local market added in 2010. Since then the company has shown a continuous growth and currently employs over 700+ software engineers. Brain Station 23 is now not only an established name in Bangladesh but also in countries like the USA, UK, Netherlands, Denmark, Japan, Norway, Sweden, Germany, Canada, Switzerland, Turkey and the Middle East etc.

Requirement Process:

MCQ Based Remote Online Test: This remote online test lasted for an hour and the topics were limited to database, basic OOP concepts, data structure, output tracing, and analytical abilities.

Written Test: The written test had 30 questions of 100 marks to be answered in 1 hour and 30 minutes.

Assessment Test: The assessment test happened at the Brain Station 23 office where the selected few candidates were asked to spend the entire day.

Technical and HR Interview: Some questions from the resume.



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The End