MOCK	Cintervi	ew: Evening Team																		
					31/137 Done		19/137 Done Mohammad			0/137 Done Arnob		12/137 Done		0/137 Done			4/137 Done			3/137 Done S. M.
#	Successful	Question	Md. Rafsunjani Khan	Soumik Sarker	Ruman Bhuiyan	M. Firoz Ahmed	Tasdidur Rahman	Munshi Saifuzzaman	Istiak Shihab	kumarr saha	Arup Datta	S.M. Sadiq-Ur- RahmanShifath	Mohammad FaiyazKhan	Md Shahajalal	Najir Hossain	Robiul Islam	Hossain Yuvraz	Sadik Ahmed	Omur Faruque	Mahamudu
1	6/13	What is OOP?	V	~	~	\checkmark						V	\checkmark			~		\checkmark	~	\checkmark
2	8/13	What is a class? What is an object?		\checkmark	~	~	~		\checkmark		\checkmark	\checkmark	\checkmark			\checkmark	\checkmark	\checkmark	~	\checkmark
3	8/13	What are the properties of OOP?		\checkmark	~	~	~		\checkmark		\checkmark	\checkmark	\checkmark			\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
4	5/13	What is encapsulation?		\checkmark	~		~				\checkmark	\checkmark				\checkmark			\checkmark	
5	3/13	What is abstraction?	~		~							~				\checkmark			\checkmark	
6	0/13	Difference between encapsulation and abstraction																		
7	4/13	Significance of Interface			~				~		~	V						\checkmark		
8	5/13	Difference between interface and abstract class	\checkmark	~		\checkmark					\checkmark	\checkmark							\checkmark	
9	3/13	Can we implement OOP interface using abstract class?	\checkmark	~								✓								
10	2/13	Diamond problem. Why?					~		V							~				
11	8/13	inheritence	V	~	~	~	~		~		~	V				~	\checkmark	\checkmark		
12	2/13	refer to subclass as superclass				~						~								
13	6/13	Polymorphism	\checkmark		~		~		\checkmark		\checkmark	\checkmark				\checkmark	\checkmark			
14	4/13	reference vs value	~				~		✓		\checkmark									
15	1/13	dynamic method dispatch							V											
16	2/13	method signature				~			~											
17	5/13	Parameter vs Argument			~		~		~		~	\checkmark								
18	1/13	Constructor, Destructor (finalize)							~											
19	1/13	garbage collection							~											
20	3/13	Exception handling				~			~		\checkmark									
21	0/13	throws vs throw																		
22	0/13	checked vs unchecked exception																		
23	0/13	runtime polymorphism vs compile time polymorphism																		
24	5/13	static property and method			~	\checkmark	~		\checkmark		\checkmark									
25	5/13	final class, variable, method			~	~	~		~		\checkmark									
26	2/13	abstract class							~		~									
27	0/13	Collection API																		
28	0/13	nested try except finally																		
29	1/13	REST API			~															
30	2/13	Singlton pattern				~			~											
31	0/13	Observer Pattern																		
32	1/13	MVC Pattern							\checkmark											
33	1/13	API							\checkmark											
34	0/13	Proxy and Reverse Proxy																		
35	2/13	Session vs cookies							\checkmark		~									
36	0/13	Client server architecture																		
37	3/13	http vs https				\checkmark			~		\checkmark									

MOC	K IIILEI VI	ew: Evening Team			31/137 Done		19/137 Done Mohammad	0/137 Done		0/137 Done Arnob		12/137 Done	3/137 Done				4/137 Done Tanvir			3/137 Done S. M.
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38	2/13	Peer-to-Peer architecture							\checkmark		~									
39	3/13	Encryption vs hashing				\checkmark			\checkmark		\checkmark									
40	2/13	symmetric encryption vs assymetric encryption							~		~							\checkmark		
41	2/13	Why do we need OS?							~		~							\checkmark		
42	0/13	Thread vs Process																		
43	0/13	kernel level thread vs User level thread																		
44	2/13	What is deadlock?							~		~									
45	3/13	logical and physical address space?				~			~		~									
46	0/13	Nested Try Catch Finally																		
47	0/13	Try catch finally																		
48	2/13	private public default protected				~					~									
49	2/13	IP address							\checkmark		~									
50	2/13	IPV4 vs IPV6							\checkmark		~							\checkmark		
51	2/13	Physical Address vs IP Address							$\overline{}$		V							\checkmark		
52	3/13	How many bits in physical address				<u> </u>			<u> </u>											
53	4/13	how many bits in one byte																ightharpoons		
54 55	0/13	Comparator, Comparable Interface TCP-IP Suite																		
56	3/13	5 Layers of Networking																		
57	2/13	TCP vs UDP																		
58	1/13	Application layer				✓														
59	0/13	Transport layer																		
60	0/13	Network Layer																		
61	0/13	Data link layer																		
62	1/13	Physical layer				\checkmark														
63	0/13	CIDR Notation																		
64	0/13	NAT																		
65 66	4/13 3/13	Subnet mask				✓			V		✓ ✓									
67	2/13	Broadcast address Public IP vs Private IP				✓ ✓														
68	1/13	Private IP Range							V											
69	4/13	Bus topology, ring topology, star topology, mesh topology, hybrid topology			<u></u>	<u></u>			<u></u>											
70	0/13	OSI Model (7 layer)																		
71	1/13	VPN and firewall							\checkmark											
72	1/13	Gateway address				\checkmark														
73	2/13	What is DHCP?				~					~									
74	1/13	What is ARP?									<u></u>									
75	0/13	Routing table?																		
76 77	2/13	What is Ping? protocol for ping				✓														
		What is DNS? default ports for protocol (http- 80, https - 443,																		
78	0/13	ssh - 22, ftp - 21, mysql - 3306)																		

Mod	Intorvi	ew: Evening Team																		
MOCK	K IIItervi	ew. Evening ream		7/137 Done	31/137 Done	48/137 Done	19/137 Done	0/137 Done	1/137 Done	0/137 Done	'137 Done	12/137 Done	3/137 Done	0/137 Done	1/137 Done	8/137 Done		1/137 Done	5/137 Done	
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79	0/13	HTTp, https, icmp, tcp/ip, smtp																		
80	2/13	OAuth (less important)			~										\checkmark					
81	0/13	Monolithic architecture vs microservice architecture																		
82	0/13	Thread (wait, join, runnable create)																		
83	1/13	encryption vs encoding							~											
84	2/13	semaphore							~		~									
85	5/13	multicast vs broadcast			~	~			~		~				~					
86	5/13	Binary form of 10			~	~	~				✓				~					
87	5/13	Binary form of -10			~	\checkmark	✓				~				~					
88	5/13	How many bytes in int			~	~	~				~				~					
89	2/13	How to check if a value is a power of 2 or not					~				~									
90	4/13	string to int			~	\checkmark	~				✓									
91	5/13	reverse an int			~	~	✓				~				~					
92	4/13	find substring in a string			~	~	~				V									
93	2/13	delete substring from string					~				~									
94	4/13	reverse an array			~	~	~				~									
95	3/13	What is a linked list? What is a doubly linked linked list?				$\overline{\mathbf{v}}$					\checkmark				\checkmark					
96	1/13	Implement a linked list													\checkmark					
97	2/13	Insert into a linked list (at the beginning, in the middle, in the end) complexity									~				\checkmark					
98	2/13	array vs linkedlist									~				\checkmark					
99	1/13	cycle detection in linked list									~									
100	1/13	Reverse a linked list									\checkmark									
101	2/13	Delete a node from linked list									~				~					
102	1/13	Sort an array o(n^2), O(n), O(n^2), O(nlogn)									V									
103	0/13	Advantages and disadvantages of sorting algorithms																		
104	3/13	Largest number in an array			~	~					~									
105	1/13	2nd smallest number in an array (trick question)									\checkmark									
106	1/13	kth smallest number in unsorted array									~									
107	2/13	Area of a triangles from points				\checkmark					V									
108	2/13	Check if 4 points form a (right angle) rectangle			\checkmark						V									
109	2/13	Most frequent item in an array				~					~									
110	2/13	Stack queue deque			~	~														
111	1/13	Parenthesis Matching ({) }				\checkmark														
112	2/13	Changing case in a string (upppercase lowercase)			~	~														
113	0/13	Change case in a string (each word has first letter capitalized)																		
114	2/13	Check if a string is palindrome			~	~														
115	1/13	How to find the first non repeated character of a given String?				\checkmark														
116	1/13	How to count the occurrence of a given character in a String? (trick question)				~														
117	1/13	Check if 2 strings are anagram of one another				~														
118	0/13	Finding duplicate in an array																		
119	0/13	Reverse an integer																		
120	0/13	Binary search																		
121	0/13	Binary search (upper_bound, lower_bound)																		

Mod	k intervi	iew: Evening Team	7/137 Done	7/137 Done	31/137 Done	48/137 Done	19/137 Done	0/137 Done	1/137 Done	0/137 Done	'137 Done	12/137 Done	3/137 Done	0/137 Done	1/137 Done	8/137 Done	1/137 Done	1/137 Done	5/137 Done	3/137 Done
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122	0/13	Frequency of an item in sorted array																		
123	0/13	Write upper bound code																		
124	0/13	write lower bound code																		
125	0/13	Fibonacchi Sequence																		
126	0/13	Fibonacchi Sequence (DP)																		
127	0/13	ACID VS BASE																		
128	0/13	ACID Properties																		
129	1/13	Finding element in an array			~															
130	0/13	Graph Building																		
131	0/13	Representing a binary tree as array																		
132	0/13	Heap (complexity of operations) (push, pop, heapify)/ priority queue																		
133	0/13	BFS, DFS																		
134	0/13	Graph go from node to node																		
135	0/13	Prims/Krushkal (algorithm mukhe bola lagbe)																		
136	0/13	Dijkstra/Floyd Warshall																		
137	0/13	Topological sort																		
138	0/13																			
139	0/13																			
140	0/13																			
141	0/13																			
142	0/13																			
143	0/13																			
144	0/13																			
145	0/13																			
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