

Introduction to Enterprise Networks Class Test Upload

	Registration Number	Surname	Forename	Contribution
Student 1	000839875	Turon	Kacper	25%
Student 2	000871936	Young	Jack	25%
Student 3	000878481	Kallon	Kevin	25%
Student 4	000874782	Basharat	Usman	25%

User ID (Selected by the Tutor): 000839875 α: 75 β: 8 γ: 9 δ: 3				
	Subnet 1	Subnet 2	Subnet 3	Subnet 4
Number of Hosts	75	8	9	3
Network Address	192.158.50.0	192.158.50.72	192.158.50.77	192.158.50.81
Router Interface Address	192.158.50.1	192.158.50.74	192.158.50.79	192.158.0.83
First Host Address	192.158.50.2	192.158.50.76	192.158.50.80	192.158.50.84
Last Host Address	192.158.50.74	192.158.50.77	192.158.50.81	192.158.50.85
Broadcast Address	192.158.50.75	192.158.50.78	192.158.50.82	192.158.50.86
Bit Mask (Binary)	11111111. 11111111. 11111111.00000000	11111111. 11111111. 11111111.11100000	11111111. 11111111. 11111111.11110000	11111111. 11111111. 11111111.11110000
Bit Mask (Doted Decimal)	255.255.255.128	255.255.255.240	255.255.255.240	255.255.255.248

Connectivity Test				
	Gateway	Host A	Host B	Host C
Gateway	N/A			
Host A				
Host B				
Host C				

Task	Mark	Grade
Subnet Calculation	50%	
Connectivity Test	20%	
Fault Detection	30%	
	Total	

Fault	Solution

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Last Host Address	192.158.50.74	192.158.50.77	192.158.50.81	192.158.50.85	
Broadcast Address	192.158.50.75	192.158.50.78	192.158.50.82	192.158.50.86	
Bit Mask (Binary)	11111111. 11111111. 11111111.10000000	11111111. 11111111. 11111111.11110000	11111111. 11111111. 11111111.11110000	11111111. 11111111. 11111111.11111000	
Bit Mask (Doted Decimal)	255.255.255.128	255.255.255.240	255.255.255.240	255.255.255.248	

From	To	IP Address	Ping Results
Host A	Gateway	192.158.50.6	FAILED
Host A	Host B	192.158.50.3	WORKED
Host A	Host C	192.158.50.74	WORKED
Host B	Gateway	192.158.50.4	FAILED
Host B	Host A	192.158.50.74	WORKED
Host B	Host C	192.158.50.2	WORKED
Host C	Gateway	192.158.50.5	FAILED
Host C	Host A	192.158.50.74	WORKED
Host C	Host B	192.158.50.3	WORKED

Group Reflection

Task 1 was to complete the table that was given to us. We were given one of our student IDs and we had to use the instructions set to complete the subnets for each one. Once this was complete, we went on to completing the rest of the table. We did all of them except the last one which we obviously found was correct at the end. We moved on to the Task 2 which was to ping one end to another. We found it that Host A, B and C were all pinging from each other. However, the gateway was not pinging. We did not have enough time for Task 3.

During this task, we spent most of our time in the first lesson of this task making cables. We only successfully did 1. However, we all knew that this was not enough. Therefore, I came back and got us another three to make sure that we are prepared for the laboratory today. However, this lesson we constructed the physical aspect of the network very well. However, we had to test the cables to make sure that what we are doing is correct. We tested each one and they all worked. However, once we completed Task 1, after a very long time, we had very short amount of time to complete the third one. However, Task 2 was straight away. Task 2 was complete near enough by the end. Therefore, we did not have enough time for the last task.

I felt that this task was very hard to complete. As each instruction was not clear enough to make progress for each task. It never gave us specific instruction of what we had to do. It was very misleading. On the other hand, we did not give up and we did it according to our thoughts. We felt that these tasks needed more time in order for us to complete all three tasks and do it. We all felt that it was rushed.