

CS3093 Networks Lab (Winter 2017-2018) - Examination 1

Date: 15/01/2018

Time: 2 Hr 30 Minutes

Max. Marks: 20

Modify the first program on Client Server programming to support the following Question Answer (Q&A) System.

Assume Server stores the following questions and their answers:

The questions are (ending with a question mark):

Q1: How long is one month?

Q2: Which is the only even prime?

Q3: Who is the CEO of Google?

The answers are:

A1: 30 days

A2: 2

A3: Sundar Pichai

Initially, Client program will be making connection with the Server program and exchanging "Hai" with the Server program.

Now, Client will accept a question from user and send to the Server. If it is a valid question that Server knows, it will send the answer back to the Client and the Client will display the same on its terminal. If the question is not known to Server it will send "Unknown question" to Client.

If the Client question is not in a proper format (not ending with a question mark) then Server will send "Wrong question format" to Client.

If user types "quit" then Client will send "Bye" to Server and Server will reply the same.

You must prepare a design document mentioning (in pseudo code notation) that how you are planning to implement the solution.

Your programs must accept destination address and port number required as command line arguments. You must upload the zip file containing design document and your programs, with the naming conventions used during the practice lab sessions.

Split up of Marks

Design Document: **3 Marks** | Q&A on Programs: **5 Marks** | Successful working of various features: **12 Marks**