

Technical Test - C Programming - S2R

* Required

Name of the Applicant *

Praneeth A S

Name of the College *

IIIT Jodhpur

College Roll No. *

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USER GUIDE

(1) Open Browser (Chrome or Internet Explorer is preferred) (2) Go to this site - <http://codepad.org/> (3) Select the 'Language:' as C or C++ (4) Type in the program for question provided to you. (5) Please note the following while coding: (a) Read the question carefully (b) Write a program which is optimal in space and time (c) It might be a better option to type the code in another editor (like notepad or textpad) where you can intermittently save the code. Later you can paste this code in the editor window. (d) You need to indent your code and follow good coding practices (e) Format the console output (if any) so that it is readable (5) Once you complete coding, press 'Submit' (6) Verify the output generated and correct the program if you find any errors (7) Once you think that the program is generating correct result, Reply to the mail that you received from talent.ittiam@gmail.com with the link. For example this link looks as follows - <http://codepad.org/AvoHQyV2> (8) Repeat this process for the number of programming questions given to you

TEST INSTRUCTIONS

(1) There are 2 questions in C Programming Test (2) You need to attempt both the questions (3) The total duration to complete the test is 20 mins (4) The test is to be attempted in codepad.org (5) Please read the User Guide given below before you attempt the test

Question - 1

4

Write the function to find the number of 0s in the given integer

- ☐ Consider integer as 458
- ☐ If we consider binary representation of this integer, print the number of occurrences of 0s in this integer

Question - 2

Write the function to find the number of occurrences of the pattern 1011 in bit sequence "110111001011001011011".

- ☐ Consider non-overlapping sequence
- ☒ Print the number of occurrences

Link<http://codepad.org/>

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