

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	28/07/2020	<b>Name:</b>	K Thrishul
<b>Sem &amp; Sec</b>	VI 'A'	<b>USN:</b>	4AL17CS038
<b>Online Test Summary</b>			
<b>Subject</b>	-		
<b>Max. Marks</b>	-	<b>Score</b>	-
<b>Certification Course Summary</b>			
<b>Course</b>	Coding Challenge		
<b>Certificate Provider</b>	Newton School	<b>Duration</b>	3 Hrs
<b>Coding Challenges</b>			
<b>Problem Statement:</b> <a href="https://github.com/alvas-education-foundation/CSE-K-Thrishul-4AL17CS038">https://github.com/alvas-education-foundation/CSE-K-Thrishul-4AL17CS038</a>			
<b>Status:</b> solved			
<b>Uploaded the report in Github</b>		yes	
<b>If yes Repository name</b>		<a href="https://github.com/alvas-education-foundation/CSE-K-Thrishul-4AL17CS038">https://github.com/alvas-education-foundation/CSE-K-Thrishul-4AL17CS038</a>	
<b>Uploaded the report in slack</b>		yes	

## Certification Course Details: (Attach the snapshot and briefly write the report for the same)

The screenshot shows a web browser window with multiple tabs. The active tab is 'my.newtonschool.co/playground/code/fqr8fersa5/'. The page title is 'Newton's coding challenge July 2020 - String Construction (Public Contest: July 2020) by K Thrishul'. A timer shows '01:25:58'. There are buttons for 'Run' and 'Save and Run Hidden Test Cases'. The problem description states: 'Given two integers N and K. Construct a max diversity string of length N and period K. Among all possible strings, find the lexicographically minimum string. A max diverse string is a string with maximum number of different characters. A string with period K is a string made by a string of length K repeated multiple times. Note: You can use only lowercase characters from 'a' to 'z'.' The input section says 'The first and the only line of input contains two integers N and K.' Constraints are: '1 <= N <= 100000', '1 <= K <= min(N,100)', and 'N is divisible by K.' The output section says 'Print the required string.' An example section shows: 'Sample Input 1: 4 2', 'Sample Output 1: abab', 'Sample Input 2: 4 1', and 'Sample Output 2: aaaa'. At the bottom, there is a 'Code' editor with a 'Reset' button and a language dropdown set to 'C++ (g++ 7.2.0)'. There is also a 'Custom Input' section with a checkbox 'Run with custom input' which is checked. The Windows taskbar is visible at the bottom with the search bar and various icons.

Newton School

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string in c++ - Google Search

C++ String Length

my.newtonschool.co/playground/code/fqr8fersa5/

< back

01:25:58

Run

Save and Run Hidden Test Cases

Newton's coding challenge July 2020 - String Construction (Public Contest: July 2020) by K Thrishul

Given two integers N and K. Construct a max diversity string of length N and period K. Among all possible strings, find the lexicographically minimum string.  
A max diverse string is a string with maximum number of different characters.  
A string with period K is a string made by a string of length K repeated multiple times.  
Note: You can use only lowercase characters from 'a' to 'z'.

Input

The first and the only line of input contains two integers N and K.

Constraints:

1 <= N <= 100000  
1 <= K <= min(N,100)  
N is divisible by K.

Output

Print the required string.

Example

```
Sample Input 1
4 2

Sample Output 1
abab

Sample Input 2
4 1

Sample Output 2
aaaa
```

Code

Reset

C++ (g++ 7.2.0)

Custom Input

Run with custom input

Type here to search

40%

10:04 PM  
28-Jul-20