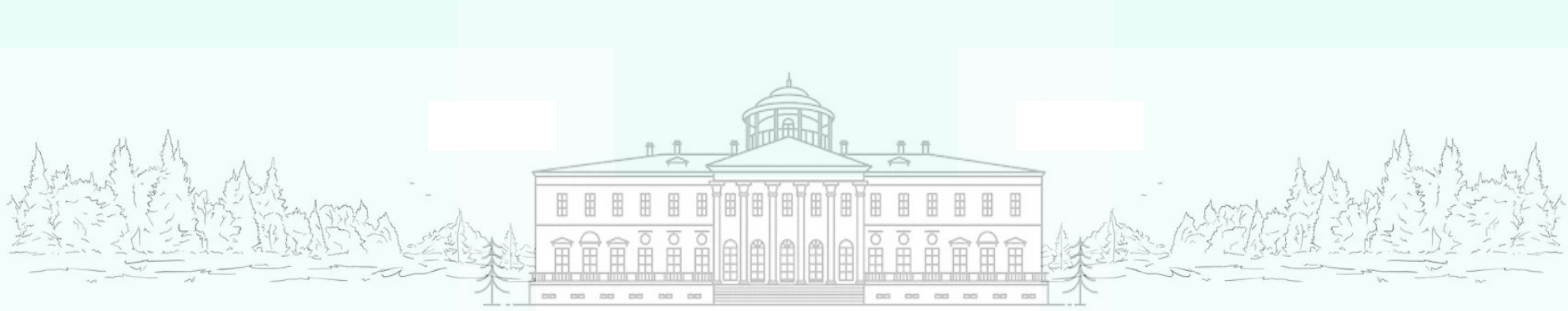


# Weekend Contest Guide



Your Dream Tech Career Guaranteed. Pay after Placement

**Step 01 :** Login into your Newton School portal with registered email-id ;



The screenshot shows the Newton School portal interface. At the top, there's a header with the Newton School logo, a 'Refer a friend' button, a 'My Roles' dropdown, a notification bell, a group icon, and a user profile icon labeled 'AS'. Below the header, there's a 'Share Feedback' button and a 'Simulation Course FSD' section with a green banner stating 'Income sharing agreement signed'. A navigation bar includes links for Course, My Timeline, My Targets, Calendar, Peers, Leaderboard, Milestone, Arena, Expert Sessions, Doubts, Interviews, Placements, and Company Playbook. The main content area features two cards: 'Recursion(new)' with a 'Join' button and 'Meeting With Mentor' with a 'Join' button. Below these is the 'Upcoming Assignments' section, which shows 'No active Assignments' and 'Past Assignments'. At the bottom, there's a link for 'Upcoming Contests' which is highlighted with an orange box. A blue arrow points down from the 'Meeting With Mentor' card towards the 'Upcoming Contests' link. A black arrow points from the 'Upcoming Contests' link to a text box on the right.

Newton School

Refer a friend

My Roles

AS

Share Feedback

Simulation Course FSD

Income sharing agreement signed

Course My Timeline My Targets Calendar Peers Leaderboard Milestone Arena Expert Sessions Doubts

Interviews Placements Company Playbook

Recursion(new)

starts at Aug 1, 2022 9:00 PM

Join

Meeting With Mentor

Coming soon

Join

Upcoming Assignments

No active Assignments

Past Assignments

Upcoming Contests

Scroll down to locate  
Upcoming Contests

## Step 02 : Locate Upcoming Contests 🏆 , and check date ;



Contest Timing →

Upcoming Contests

Contest 31-07-22  
🏆 ⌚  
Jul 31, 2022 3:00 PM to  
Jul 31, 2022 6:00 PM  
[Start now](#)

Past Contests

Click on Start now, that'll take you to the test page

Upcoming Group Events

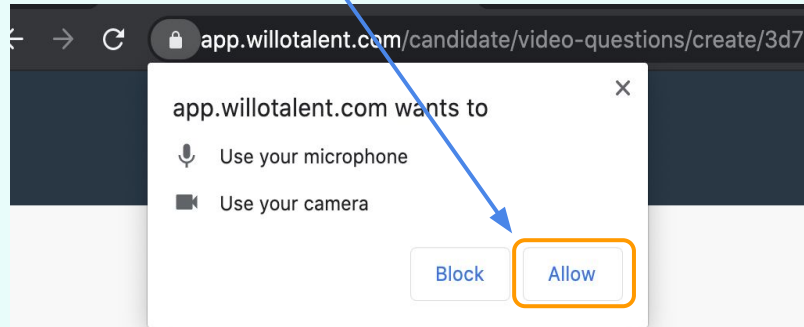
No active


Note : Start now button will be available at the start time

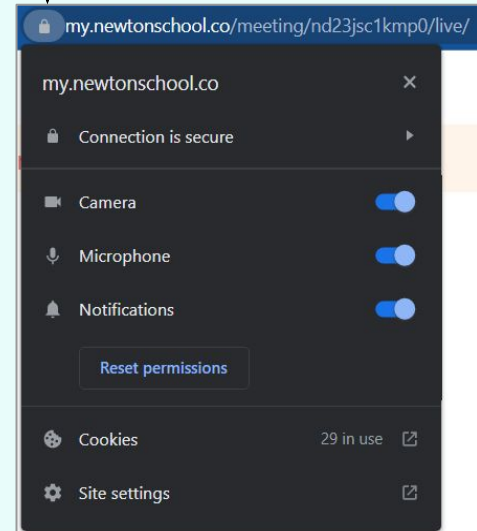


**Step 03 :** Before Contest start page,  
you may receive a pop-up, click Allow there for all permissions ;

Click '**Allow**' there





Just in-case if you clicked Block, click  
on the  in the url, then toggle allow ;




## Step 04 : Since the contest is proctored, it'll ask for permissions ;




 **Newton School**

Refer a friend 


My Roles ▾






AS ▾


[← Back](#)




**Hi Anubhav!**


Kindly Allow the following Permissions to Start the test:

 These permissions can only be given on google chrome, switch to google chrome to start the test.




**Turn on Your Camera**  
Kindly give camera permissions from the browser. Refresh Once





**Switch to full screen**  
Kindly close all the extra tabs and do the full screen.



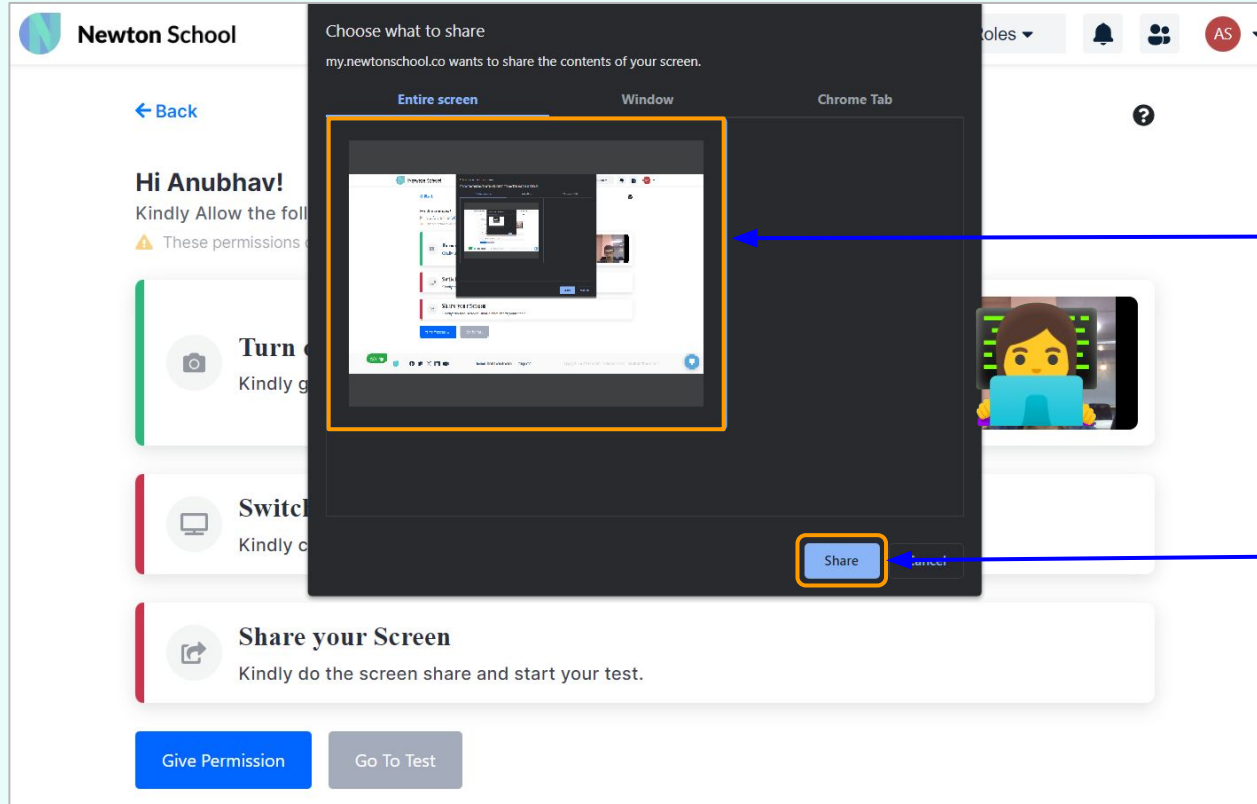
**Share your Screen**  
Kindly do the screen share and start your test.

Give Permission

Go To Test

Click on 'Give Permissions'  
and follow the instructions

**Step 05 :** Since the contest is proctored, it'll be required to share screen ;



i. Click on the highlighted area

ii. Click on the Share button

**Step 06 :** Finally, enter 'Full Screen mode' by clicking on 'Give Permission' ;



**Newton School**

Refer a friend

My Roles ▾

AS ▾

[← Back](#)

**Hi Anubhav!**

Kindly Allow the following Permissions to Start the test:

These permissions can only be given on google chrome, switch to google chrome to start the test.

**Turn on Your Camera**  
Kindly give camera permissions from the browser. Refresh Once

**Switch to full screen**  
Kindly close all the extra tabs and do the full screen.

**Share your Screen**  
Kindly do the screen share and start your test.

Give Permission

Go To Test

Click on 'Give Permissions' & you'll enter full screen mode

**Step 07 :** Once all permissions are given, 'Go To Test' button will show up ;



The screenshot shows the Newton School interface. At the top, there's a header with the Newton School logo, a 'Refer a friend' button, a 'My Roles' dropdown, a bell icon, a group of people icon, and a user profile icon labeled 'AS'. Below the header, there's a 'Back' button. The main content area starts with a greeting 'Hi Anubhav!' followed by the instruction 'Kindly Allow the following Permissions to Start the test:'. A warning icon and text state: 'These permissions can only be given on google chrome, switch to google chrome to start the test.' Below this, there are three permission prompts, each with a green progress bar on the left:

- Turn on Your Camera**: Kindly give camera permissions from the browser. Refresh Once. (Accompanied by an illustration of a person at a computer with a camera overlay)
- Switch to full screen**: Kindly close all the extra tabs and do the full screen.
- Share your Screen**: Kindly do the screen share and start your test.

At the bottom of the permission section is a blue 'Go To Test' button. Annotations include:

- A vertical box on the left: 'when all the permissions are granted, this section will turn green' with an arrow pointing to the green progress bars.
- A box on the top right: 'Help / Feedback button' with an arrow pointing to a question mark icon.
- A box on the right: 'Click on 'Go To Test' to begin the Contest' with a trophy icon and an arrow pointing to the 'Go To Test' button.



## Step 08 : Once begun, the Contest Screen will look like this ;



Newton School

Refer a friend

My Roles

00:11:38

**Contest 31-07-22**

Leaderboard

**Question 1** Easy

**sprime**  
Sara has developed a new algorithm to find sprime for a given range starting with 2

She will start from the end mark it sprime, and mark all its factors (excluding itself) as not sprime. Then she will find the next greatest unmarked number, mark it as sprime, and mark all its factors (excluding itself) as not sprime

Your task is to calculate the the number of sprimes that are actually prime

Attempt now

**Question 2** Easy

**Weird chapo! (Public Contest: Jan 2021)**  
Rick wants to give Morty a chapo (a super awesome treat :P).

The only condition for Morty to get a chapo is that he should be able to reach Rick's place. Both Rick and Morty live on the number line at integer points A and B respectively. There are N types of moves  $M_1, M_2, \dots, M_N$ . Morty can only take steps of size  $M_i$  ( $1 \leq i \leq N$ ) in either of the two directions on the number line (any number of times), while Rick prefers to stay at his place.

Please let Morty know if he can ever reach Rick's place and get a chapo.

Attempt now

**Question 3** Easy

**Grid filling (Contest)**  
Ram has recently purchased an empty rectangular grid of  $N \times M$  dimension. He wants to fill the grid but in a special way. His

Newton School

Refer a friend

My Roles

00:11:13

**Question** **Status**

**sprime** Easy

Time Limit: 2 sec  
Memory Limit: 128000 KB

**Problem Statement**  
Sara has developed a new algorithm to find sprime for a given range starting with 2  
She will start from the end mark it sprime, and mark all its factors (excluding itself) as not sprime. Then she will find the next greatest unmarked number, mark it as sprime, and mark all its factors (excluding itself) as not sprime  
Your task is to calculate the the number of sprimes that are actually prime

**Input**  
The first line contains T the number of test cases.  
Each of the next T lines contain an integer n.  
  
Constraint:  
 $1 \leq T \leq 100$   
 $2 \leq n \leq 10000000$

**Output**  
Output T lines, one for each test case, containing the required answer.

**Example**  
Sample Input:  
3  
2  
3  
4  
Sample Output:  
1  
2  
1

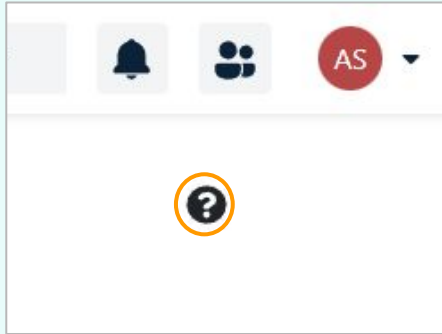
```
1 import java.io.*;
2 import java.util.*;
3 // package name
4 // don't change the name of this class
5 // you can add inner classes if needed
6 class Main {
7     public static void main (String[] args) {
8         // your code here
9     }
10 }
11
```

Input Output Error

The contest questions can be attempted in any sequence one by one, once all questions are done, one can click on ‘Finish Test’ at the end of the questions to conclude the Weekend Contest

Finish Test

Incase you happen to face any problems with attempting the contest, or it not being functional, kindly take a picture / screenshot of the error/ problem and inform your “Progress In-charge” via Slack,



**Need Assistance!**

Please type in your query in case you are facing any technical difficulties, Our team will reach out to you shortly.

Type in your issue!

[Submit](#)

**Need Assistance!**

Please type in your query in case you are facing any technical difficulties, Our team will reach out to you shortly.

Type in your issue!

[Submit](#)

**For instant support ;**

- Click on the **?** button
- Type your issue!
- Submit the issue

