

prelims questions (20 mins)

1. Print nth Fibonacci number - n upto  $10^6$  - use mod  $10^9+7$
2. sum of odd numbers from 1 to n -  $1 \leq n \leq 10^6$
3. check if string is palindrome - string length  $\leq 1000$
4. Factorial of a number ( $1 \leq n \leq 20$ )
5. max number from an array - array size 100 numbers

finals (40 mins)

1. Number is prime or not  $1 \leq n \leq 10^{12}$
2. Sorting an array  $1 \leq \text{array size} \leq 10^3$
3. Check if binary representation of number is palindrome or not

Winners -

1<sup>st</sup> - Mukta - National Public School, Indiranagar

2<sup>nd</sup> - Aadesh - Openschooling

3<sup>rd</sup> - Tejas - Openschooling