SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

NCR CAMPUS

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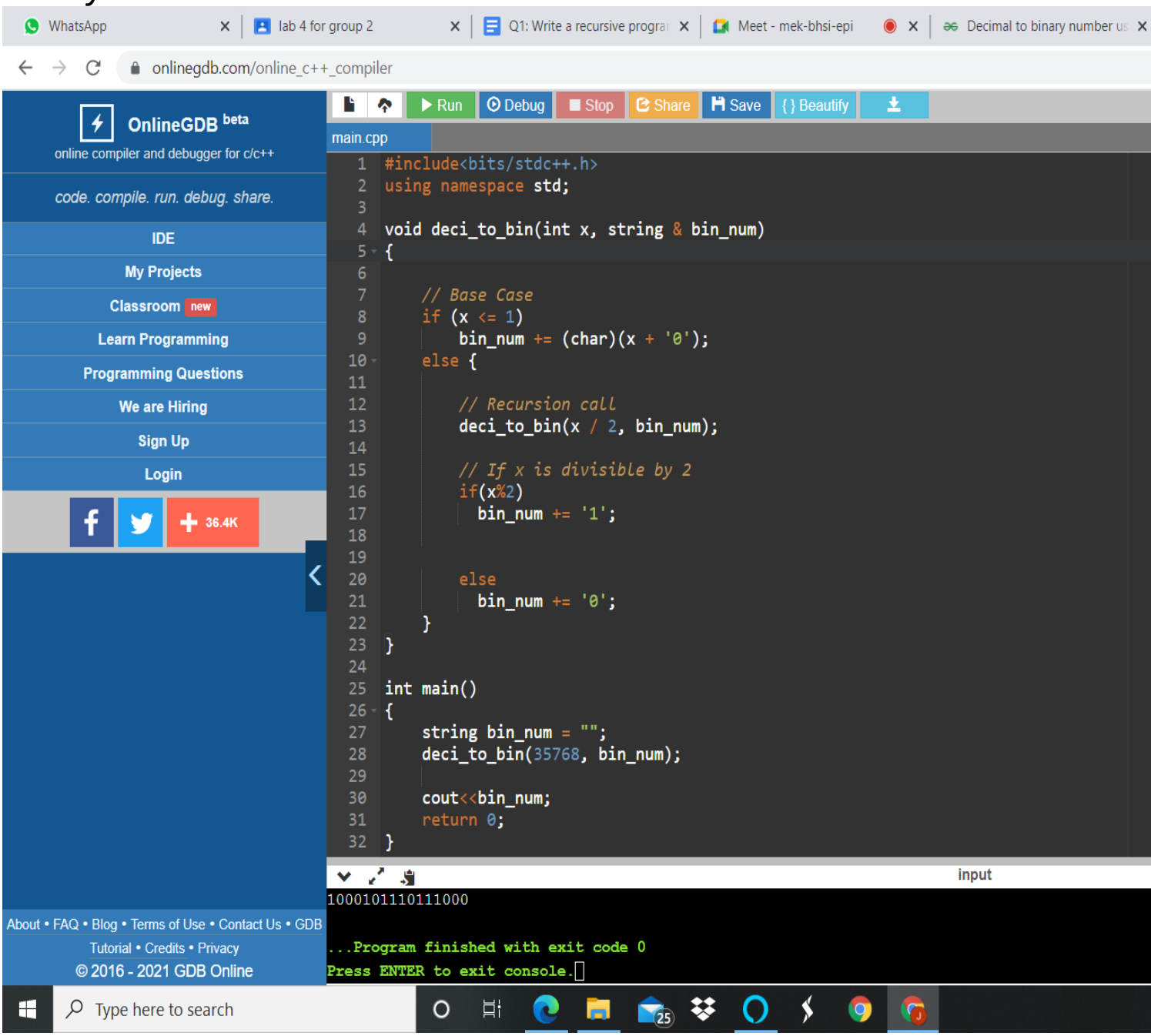
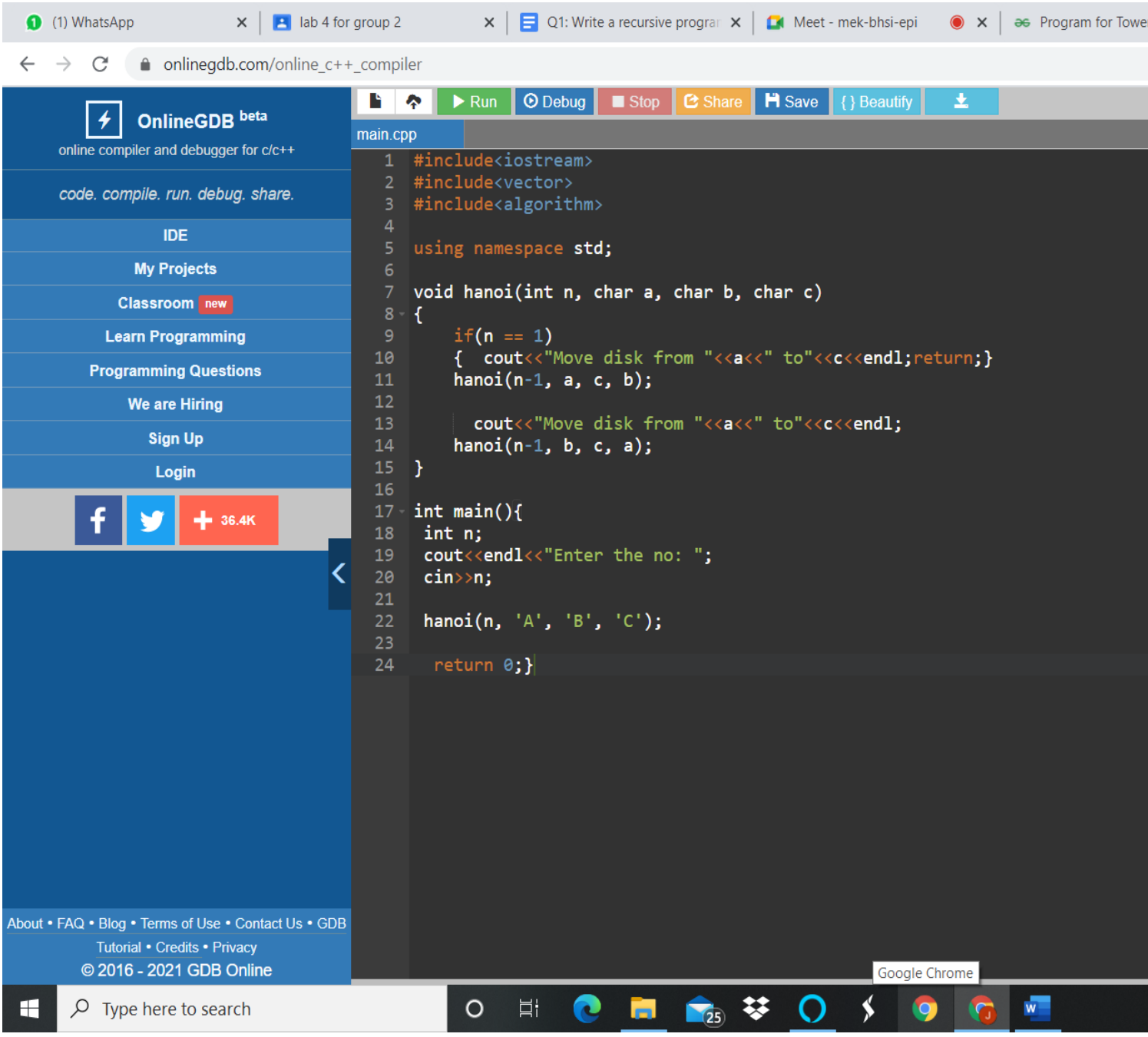
Branch-Section	CSE-I
Year/Semester	2nd/4th

Q1: Write a recursive program to convert a decimal number to binary.

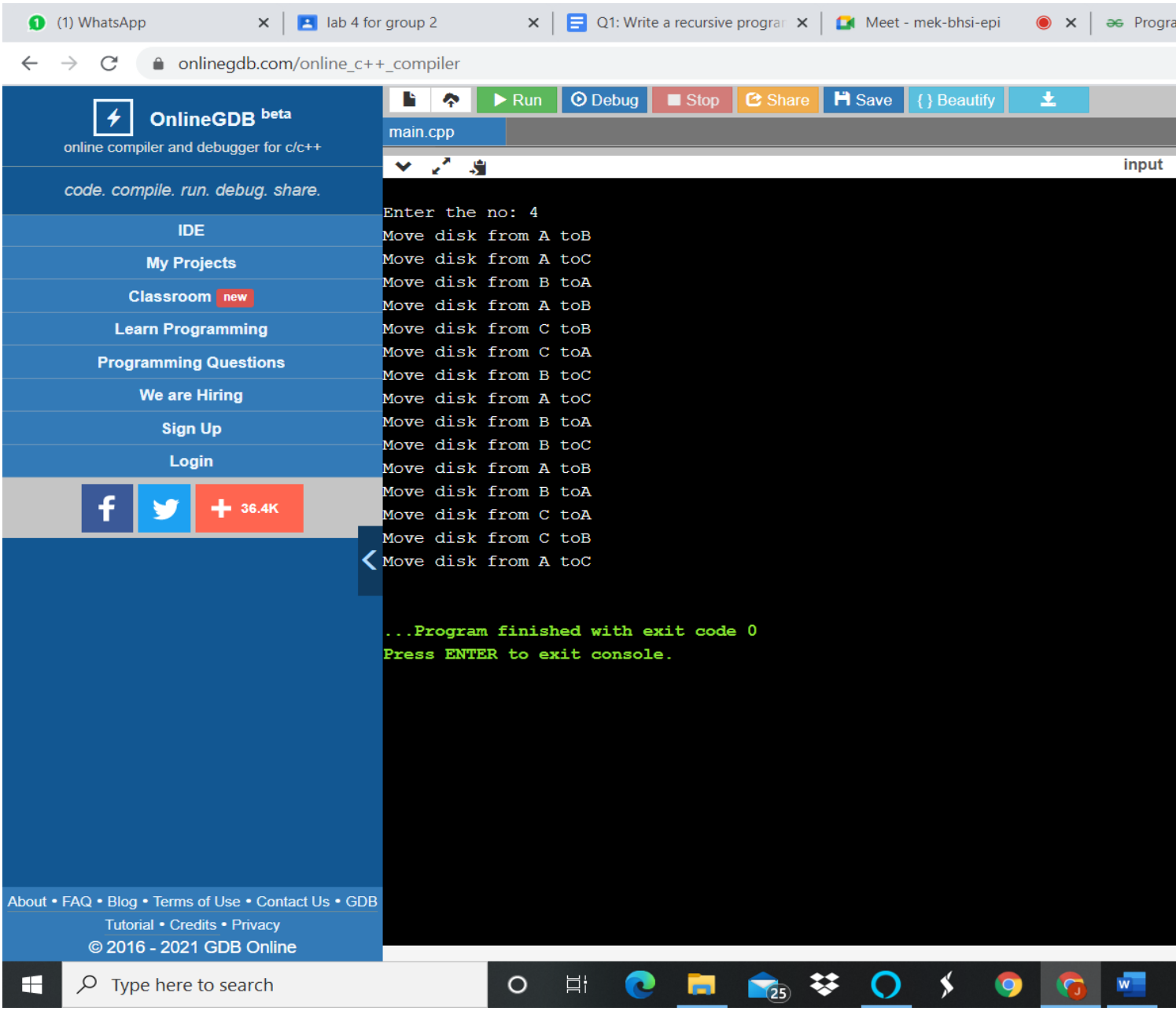


Q2: Write a recursive program to solve the tower of Hanoi problem. Given three pegs A , B,C and number of disks n, the program should print the sequence of moves of the disks from one peg to other peg in order to solve the problem. Initially all the n disks are on peg A and they need to be moved to peg C.

code



Output:


(1) WhatsApp
lab 4 for group 2
Q1: Write a recursive progra
Meet - mek-bhsi-epi
onlinegdb.com/online_c++_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
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Run
Debug
Stop
Share
Save
{ } Beautify
main.cpp
input
Enter the no: 4
Move disk from A toB
Move disk from A toC
Move disk from B toA
Move disk from A toB
Move disk from C toB
Move disk from C toA
Move disk from B toC
Move disk from A toC
Move disk from B toA
Move disk from B toC
Move disk from A toB
Move disk from B toA
Move disk from C toA
Move disk from C toB
Move disk from A toC
...Program finished with exit code 0
Press ENTER to exit console.
Type here to search