CSA02- C Programming

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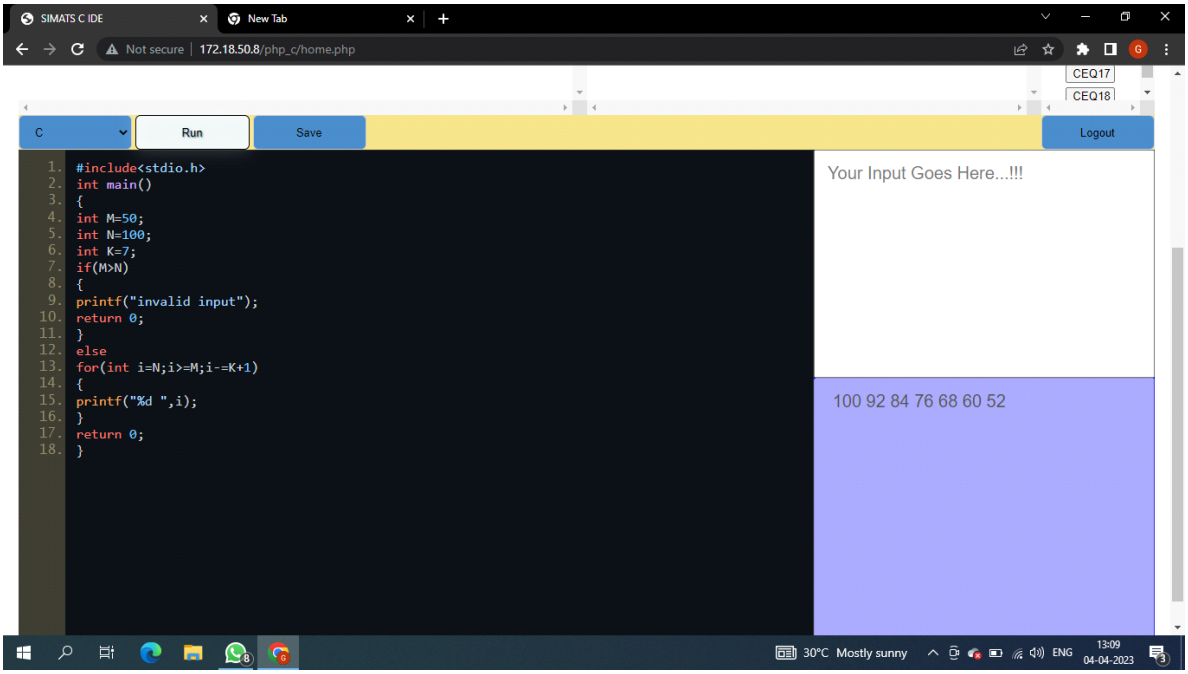
Questions

CEQ3.

Write a program to reverse a number using loop?(Get the input from user)

Sample Input:
Number: 14567

Sample Output:
Reverse Number: 76541



Questions
CEQ28.

Write a program to print the Fibonacci series.

Sample Input:
Enter the n value: 6

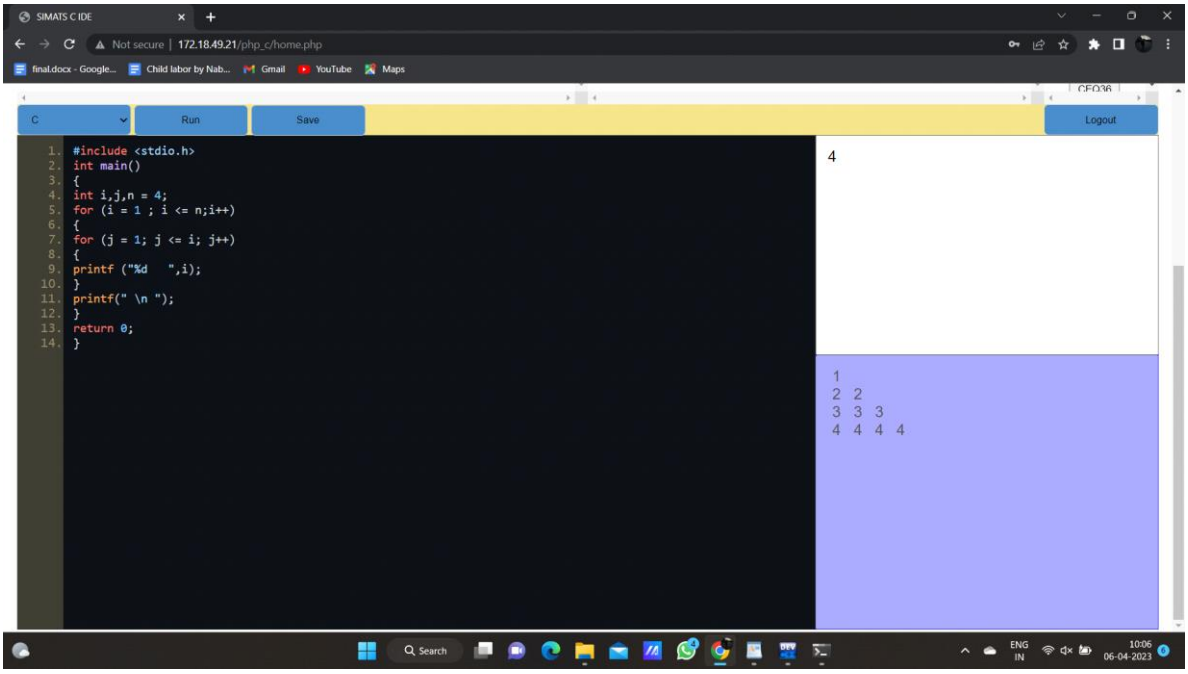
Sample Output:
0 1 1 2 3 5

Questions

CEQ29.

Write a program to print the below pattern.

```
1
2  2
3  3  3
4  4   4   4
```



Questions
CEQ30.

Write a program to find the square, cube of the given decimal number.

Sample Input:
Given Number: 0.6

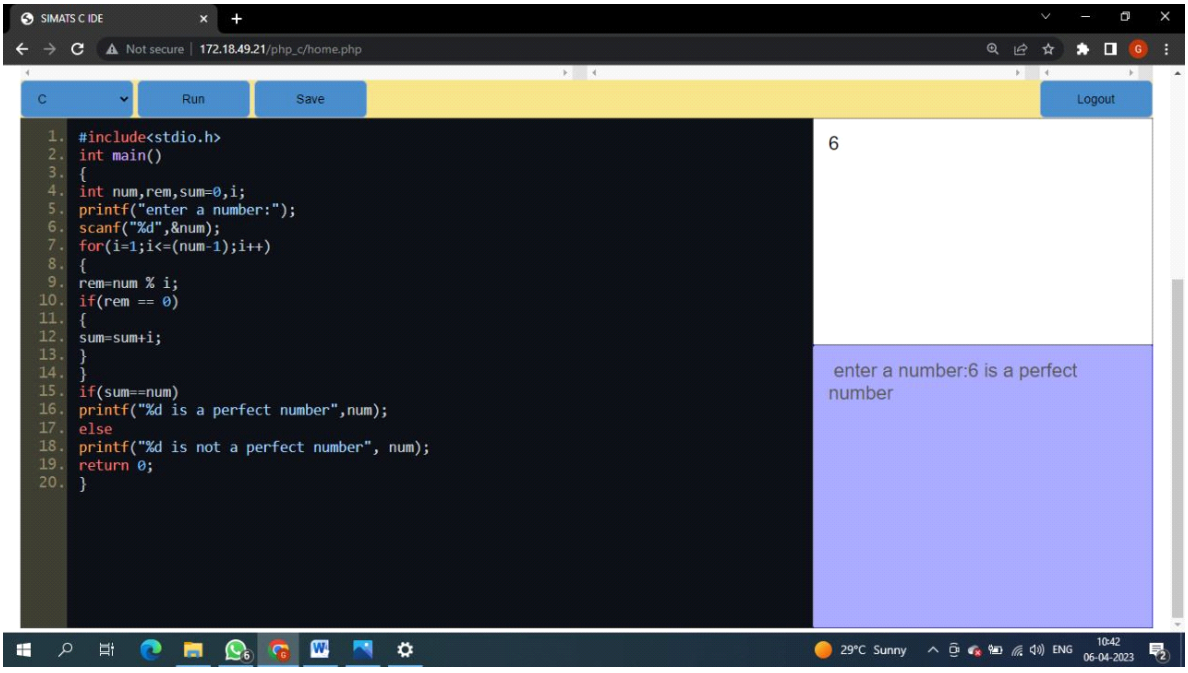
Sample Output:
Square Number: 0.36
Cube Number:0.216

Questions
CEQ32.

Write a program to print the given number is Perfect number or not?

Sample Input:
Given Number: 6

Sample Output:
It's a Perfect Number

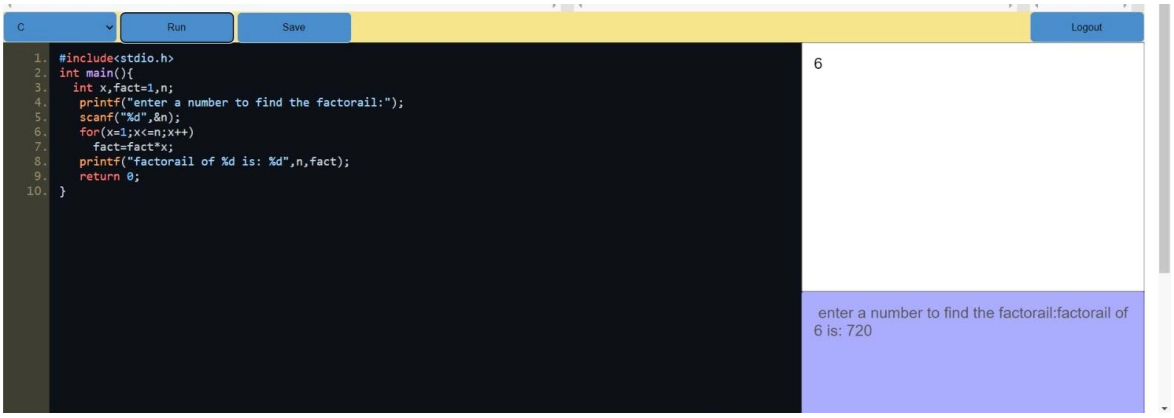


Questions
CEQ33.

Find the factorial of n?

Sample Input:
N = 6

Sample Output:
6 Factorial = 720



Questions
CEQ34.

Write a program to print the below pattern.

```
1
4     9
16    25    36
49    64    81    100
```

CEQ35.

Write a program to find the number of composite numbers in an array of elements

Sample Input;:
Array of elements = {16, 18, 27, 16, 23, 21, 19}

Sample Output:
Number of Composite Numbers = 5

Questions
CEQ36.

Find the nth odd number after n odd number.

Sample Input:
N : 4

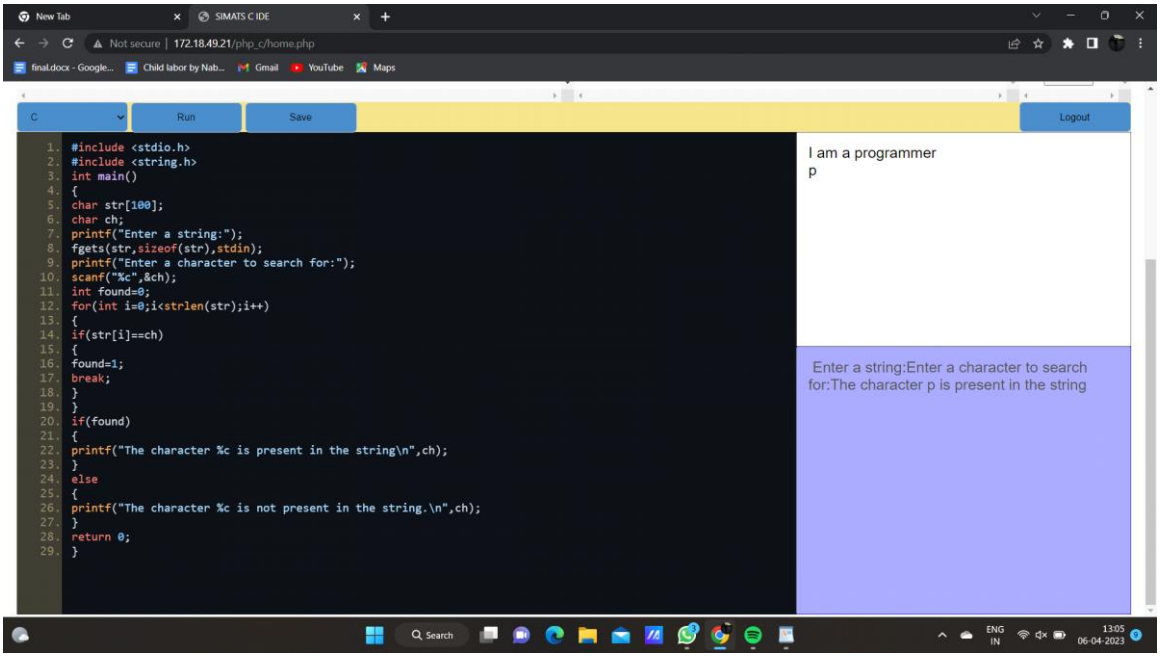
Sample Output:
4th Odd number after 4 odd numbers = 15

Questions
CEQ37.

Write a program that finds whether a given character is present in a string or not.
In case it is present it prints the index at which it is present.
Do not use built-in find functions to search the character.

Sample Input:
Enter the string: I am a programmer
Enter the character to be searched: p

Sample Output:
P is found in string at index: 8
Note: Check for non-available Character in the given statement as Hidden Test case.



Questions
CEQ4.

Write a program to find whether the person is eligible for vote or not. And if that particular

Sample Input:
Enter your age:7

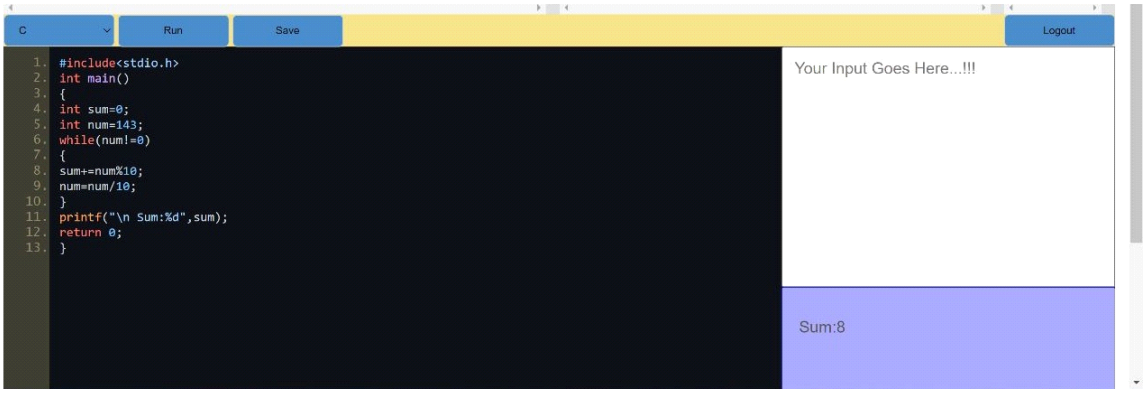
Sample output:
You are allowed to vote after 11 years

Questions
CEQ43.

Write a program to find the sum of digits of N digit number.

Sample Input:
Enter N value : 3
Enter 3 digit number: 143

Sample Output:
Sum of 3 digit number: 8



Questions
CEQ39.

Program to find whether the given number is Armstrong number or not

Sample Input:
Enter number : 153

Sample Output:
Given number is Armstrong number

Questions
CEQ44.

Write a program to find the square root of a perfect square number(print both the posit

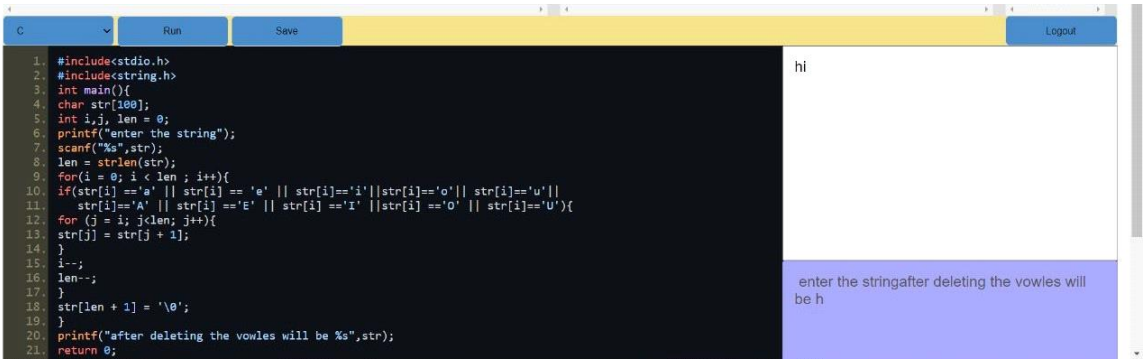
Sample Input:
Enter the number : 6561

Sample Output:
Square Root: 81, -81

CEQ41.

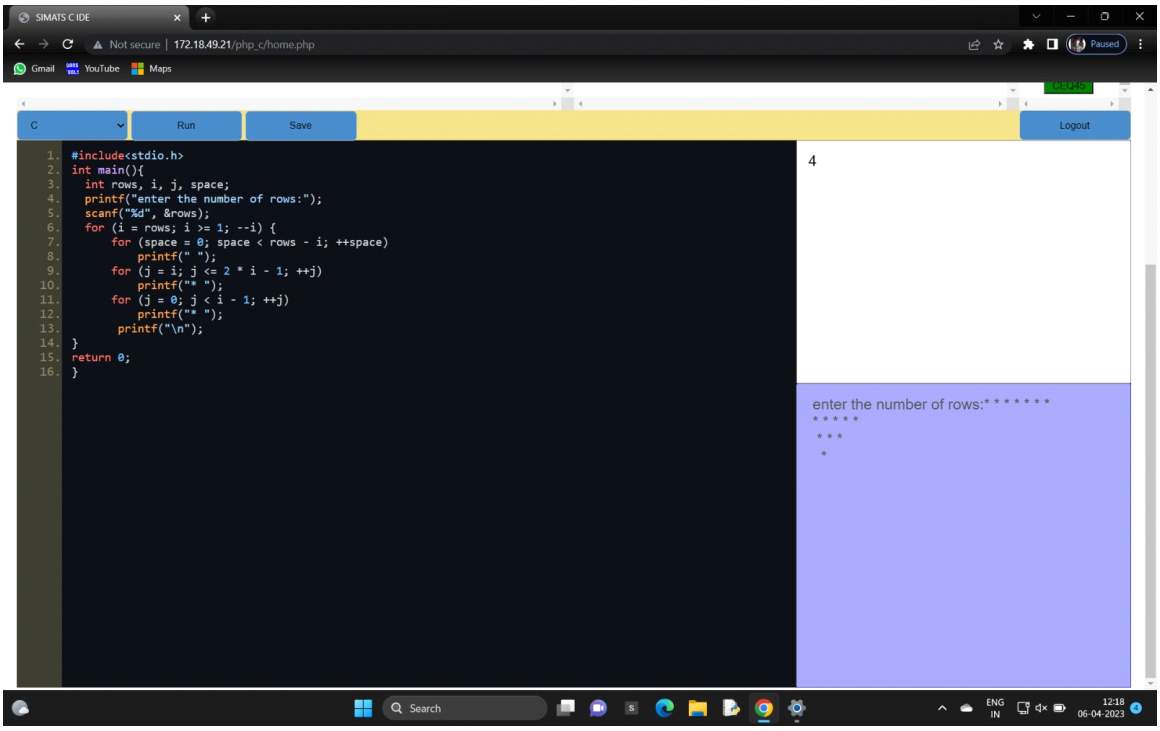
Write a program that accepts a string from user and displays the same string after removing vowels from it.

Sample Input & Output:
Enter a string: we can play the game
The string without vowels is: w cn ply thgm



Questions
CEQ45.

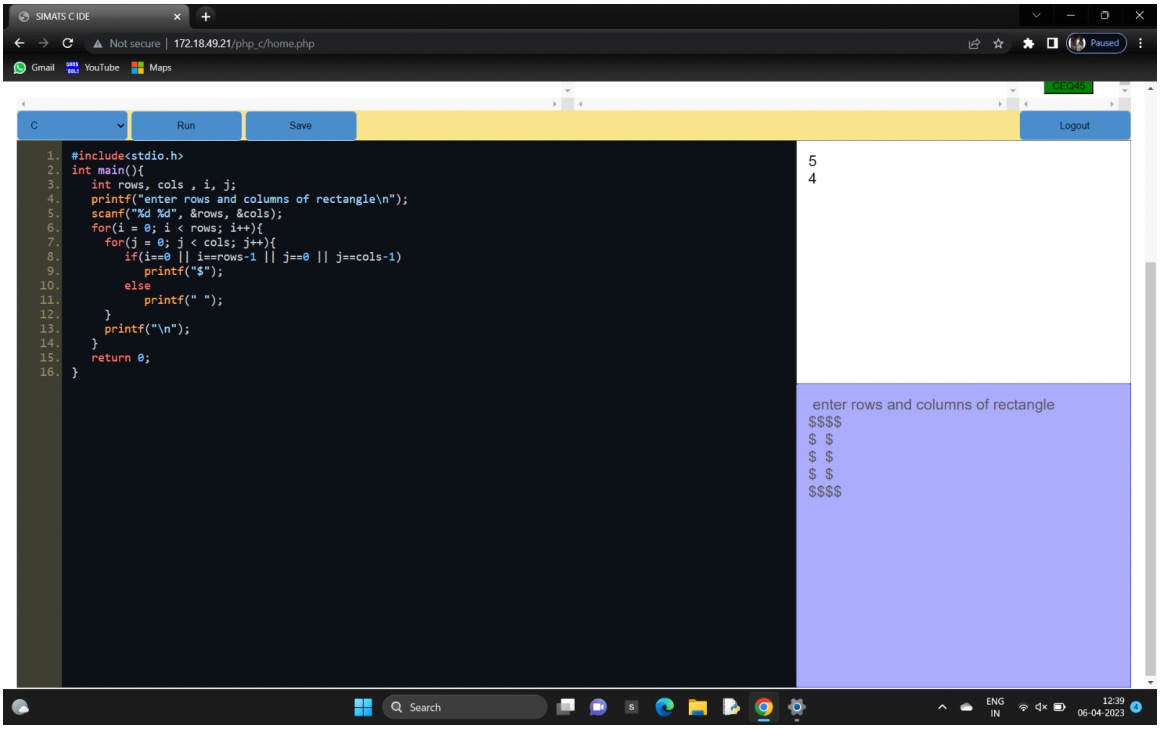
Write a program to print inverted pyramid pattern.



Questions

CEQ42.

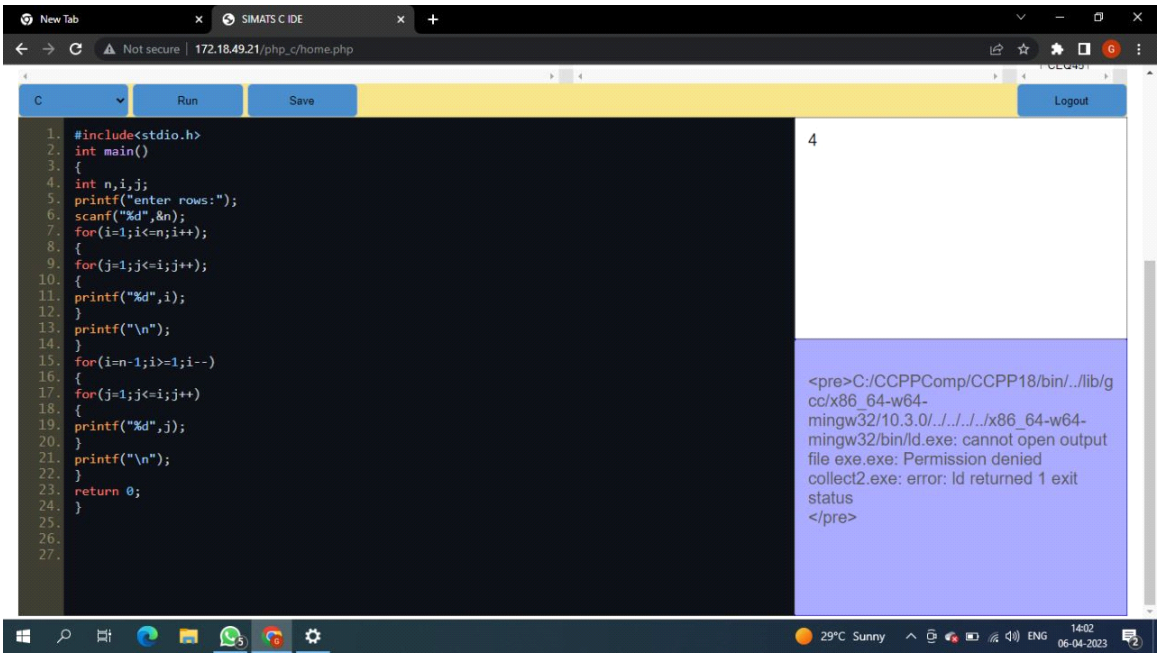
Write a program to print hollow Rectangle Dollar pattern?



Questions
CEQ38.

Write a program to print the below pattern.

```
1
2 2
3  3  3
4  4   4   4
3  3  3
2  2
1
```



Questions
CEQ40.

Write a program to arrange the letters of the word alphabetically in reverse order.

Sample Input:
Enter the word : MOSQUE

Sample Output:
Alphabetical Order: U S Q O M E

Test Cases

1. HYPOTHECATION
2. MATRICULATION
3. MANIPULATION
4. SATISFACTION
5. DEDICATION

CEQ37
CEQ38
CEQ39
CEQ4
CEQ40
CEQ41
CEQ42
CEQ43
CEQ44
CEQ45

C | Run | Save | Logout

```c
#include <stdio.h>
#include <string.h>

int main() {
char word[100];
printf("Enter a word: ");
scanf("%s", word);

int n = strlen(word);

for(int i = 0; i < n-1; i++) {
for(int j = 0; j < n-i-1; j++) {
if (word[j] < word[j+1]) {
char temp = word[j];
word[j] = word[j+1];
word[j+1] = temp;
}
}
}

printf("Letters arranged alphabetically in reverse order: ");
for (int i = n-1; i >= 0; i--) {
printf("%c", word[i]);
}
printf("\n");
return 0;
}
```

DEDICATION

Enter a word: Letters arranged alphabetically in reverse order: ACDDEIINOT