Write a program for matrix multiplication?

Sample Input:
Mat1 = 1 2
       5 3
Mat2 = 2   3
       4   1

Sample Output:
Mat Sum = 10   5
          22   18

C | Run | Save

```c
#include <stdio.h>
int main() {
int a[2][2]={{1,2},{5,3}};
int b[2][2]={{2,3},{4,1}};
int c[2][2]={0};
for (int i=0; i<2; i++)
        for (int j=0; j<2; j++)
            for (int k=0; k<2; k++)
                c[i][j]+=a[i][k]*b[k][j];
    printf("a*b= \n");
    for (int i=0; i<2; i++) {
        for (int j=0; j<2; j++)
            printf(" %d ", c[i][j]);
        printf(" \n");
}
  return 0;
}
```

Your Input Goes Here...!!!

a+b=
9 7
14 12

CEQ11.

Write a program for matrix addition?

Sample Input:
Mat1 = 1 2
5 3
Mat2 = 2 3
4 1

Sample Output:
Mat Sum = 3 5
9 4

C | Run | Save

```c
#include <stdio.h>
int main() {
int a[2][2]={{1,2},{5,3}};
int b[2][2]={{2,3},{4,1}};
int c[2][2]={0};
for (int i=0; i<2; i++)
    for (int j=0; j<2; j++)
            c[i][j]+=a[i][j]+b[i][j];
printf("a+b= \n");
for (int i=0; i<2; i++) {
    for (int j=0; j<2; j++)
        printf(" %d ", c[i][j]);
    printf(" \n");
}
return 0;
}
```

Your Input Goes H

a+b=
3 5

C Run Save Logout

```c
#include<stdio.h>
int main() {
int a,b;
printf("enter the starting integer:");
scanf("%d",&a);
printf("enter the ending integer:");
scanf("%d",&b);
for (int num=a; num <=b; num++){
int is_composite =0;
for (int i=2; i<num; i++) {
if (num% i==0) {
is_composite =1;
break;
}
}
if(is_composite && num>1) {
printf("%d\n",num);
}
}
return 0;
}

```

12
19

enter the starting integer:enter the ending integer:12
14
15
16
18

CEQ15.

Write a program to print the following pattern

Sample Input:
Enter the number to be printed: 1
Max Number of time printed: 3
1
1 1
1 1 1
1 1
1

C | Run | Save

```c
#include <stdio.h>
int main()  {
  int size = 3;
  for (int i=1; i<= size; i++)  {
    for (int j=0; j<i; j++)  {
      printf(" 1 ");
    }
    printf(" \n ");
  }
  for (int i=1; i<=size-1; i++)  {
    for (int j=0; j<size-i; j++)  {
      printf(" 1 ");
    }
    printf(" \n ");
  }
  return 0;
}
```

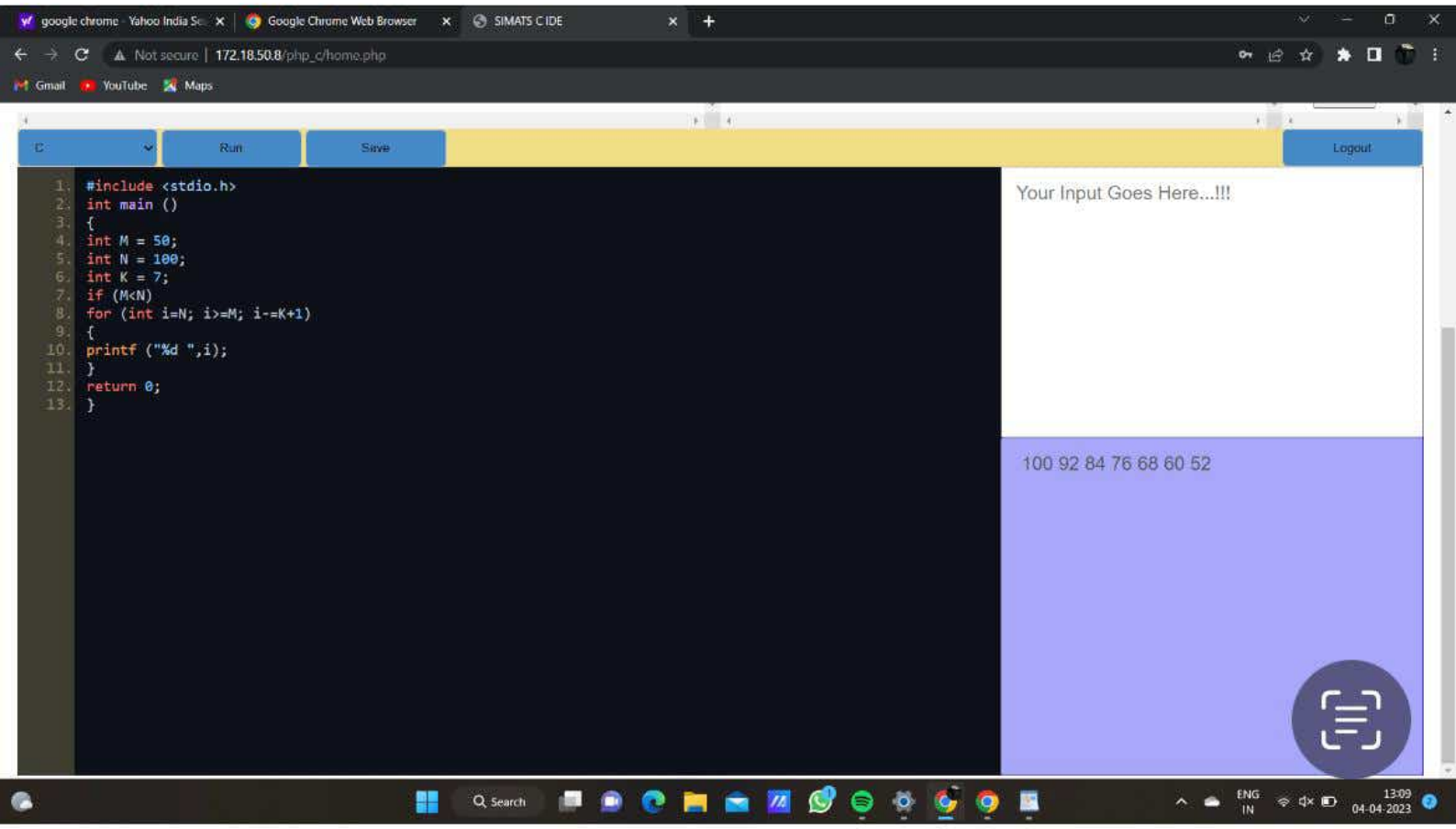
Your Input Goes Her

```
 1
 1 1
 1 1 1
```

C | Run | Save | Logout

```c
#include<stdio.h>
int main() {
int rows, cols;
printf("enter the number of rows and columns: ");
scanf("%d",&rows,&cols);
for (int i=1; i<=rows;i++) {
for (int j=1;j<=cols;j++)
printf("%c",(i==1|| i==rows||j==cols)?'*':' ');
printf("\n");
}
return 0;
}
```

```
5
5
```


google chrome - Yahoo India Se...
Google Chrome Web Browser
SIMATS C IDE
Not secure | 172.18.50.8/php_c/home.php
Gmail
YouTube
Maps
C
Run
Save
Logout
#include <stdio.h>
int main ()
{
int M = 50;
int N = 100;
int K = 7;
if (M<N)
for (int i=N; i>=M; i-=K+1)
{
printf ("%d ",i);
}
return 0;
}
Your Input Goes Here...!!!
100 92 84 76 68 60 52
Search
ENG
IN
13:09
04-04-2023

C | Run | Save | Logout

```c
#include<stdio.h>
int main() {
int height;
printf("enter the height of the inverted pyramid:\n");
scanf("%d",&height);
for(int i=height; i>=1;i--){
for(int j=height-i;j>0;j--){
printf(" ");
}
for(int k=2*i-1;k>0;k--){
printf("*");
}
printf("\n");
}
return 0;
}
```

5

```
enter the height of the inverted pyramid:
*********
 *******
  *****
   ***
    *
```

CEQ1.

Write a program to reverse a word using loop(Not to use inbuilt functions).

Sample Input:
String: TEMPLE
Sample Output:
Reverse String: ELPMET

1. SIGN UP
2. AT-LEAST
3. 1245
4. !@#$%
5. 145*999=144855

C | Run | Save

```c
#include <stdio.h>
#include <string.h>
int main(void)
{char*str="TEMPLE";
printf("reverse the string:");
for(int i=(strlen(str)-1);i>=0;i--)
{printf("%c",str[i]);
}return 0;
}
```

Your Input Goes Here...!!!

reverse the string:ELPMET

Run Save Logout

```c
#include<stdio.h>
#include<ctype.h>
int main() {
char s[100];
int count_alpha =0,count_digit=0,count_special=0;
printf("enter a string: ");
fgets(s,100,stdin);
for(int i=0; s[i] !='\0'; i++) {
if (isalpha(s[i]))
count_alpha++;
if(isdigit(s[i]))
count_digit++;
else if (!isspace(s[i]))
count_special++;
}
printf("number of alphabets:%d\n",count_alpha);
printf("number of digits:%d\n",count_digit);
printf("number of special:%d\n",count_special);

return 0;
}
```

abc!@ 12 cd 1212

enter a string: number of alphabets:0

```c
#include <stdio.h>
#include<string.h>
#define max_names 100
#define max_name_length 50

int main() {
char names [max-names]
[max_name_length];
int n;
 printf("enter the number of names:");
scanf("%d",&n);
printf("enter%d names:\n",n);
for9int i=0;i<n:i++){
for(intj=0;j<n-i-1;j++){
if(strcmp(names[j],names[j+1])>0){
chartemp[max_name_length];
strcpy(temp,names[j]);
strcpy(names[j],names[j+1]);
strcpy(names[j+1],temp);
}
}
]
printf('\nnames in ascending alphabetical order:\n");
for(int i=0;i<n;i++);
printf("%s\n",names[i]);
return 0;
}
```

Your Input Goes Here...!!!

<pre>ExecutionFolder/192211166.c: In function 'main':
ExecutionFolder/192211166.c:7:13: error: 'max' undeclared (first use in this function)
    7 | char names [max-names]
      | ^~~
ExecutionFolder/192211166.c:7:13: note: each undeclared identifier is reported only once for each function it appears in
ExecutionFolder/192211166.c:7:17: error: 'names' undeclared (first use in