

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

```
1. #include <stdio.h>
2. int main() {
3.     int a[2][2]={{1,2},{5,3}};
4.     int b[2][2]={{2,3},{4,1}};
5.     int c[2][2]={0};
6.     for (int i=0; i<2; i++)
7.         for (int j=0; j<2; j++)
8.             for (int k=0; k<2; k++)
9.                 c[i][j]+=a[i][k]*b[k][j];
10.    printf("a*b= \n");
11.    for (int i=0; i<2; i++) {
12.        for (int j=0; j<2; j++)
13.            printf(" %d ", c[i][j]);
14.        printf(" \n");
15.    }
16.    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

```
1. #include <stdio.h>
2. int main() {
3.     int a[2][2]={{1,2},{5,3}};
4.     int b[2][2]={{2,3},{4,1}};
5.     int c[2][2]={0};
6.     for (int i=0; i<2; i++)
7.         for (int j=0; j<2; j++)
8.             c[i][j]=a[i][j]+b[i][j];
9.     printf("a+b= \n");
10.    for (int i=0; i<2; i++) {
11.        for (int j=0; j<2; j++)
12.            printf(" %d ", c[i][j]);
13.        printf(" \n");
14.    }
15.    return 0;
16. }
```

Your Input Goes H

a+b=
3 5

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main() {
3.     int a,b;
4.     printf("enter the starting integer:");
5.     scanf("%d",&a);
6.     printf("enter the ending integer:");
7.     scanf("%d",&b);
8.     for (int num=a; num <=b; num++){
9.         int is_composite =0;
10.        for (int i=2; i<num; i++) {
11.            if (num%i==0) {
12.                is_composite =1;
13.                break;
14.            }
15.        }
16.        if(is_composite && num>1) {
17.            printf("%d\n",num);
18.        }
19.    }
20.    return 0;
21. }
22.
```

12

19

enter the starting integer:enter the ending integer:12

14

15

16

18

CEQ10.

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
```

```
1. #include <stdio.h>
2. int main() {
3.     int size = 3;
4.     for (int i=1; i<= size; i++) {
5.         for (int j=0; j<i; j++) {
6.             printf(" 1 ");
7.         }
8.         printf(" \n ");
9.     }
10.    for (int i=1; i<=size-1; i++) {
11.        for (int j=0; j<size-i; j++) {
12.            printf(" 1 ");
13.        }
14.        printf(" \n ");
15.    }
16.    return 0;
```

Your Input Goes Here

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

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main() {
3.     int rows, cols;
4.     printf("enter the number of rows and columns: ");
5.     scanf("%d",&rows,&cols);
6.     for (int i=1; i<=rows;i++) {
7.         for (int j=1;j<=cols;j++)
8.             printf("%c",(i==1|| i==rows||j==cols)?'*':' ');
9.         printf("\n");
10.    }
11.    return 0;
12. }
```

5
5

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Not secure | 172.18.50.8/php_c/home.php

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Run Save Logout

```
1. #include <stdio.h>
2. int main ()
3. {
4.     int M = 50;
5.     int N = 100;
6.     int K = 7;
7.     if (M<N)
8.     for (int i=N; i>=M; i-=K+1)
9.     {
10.        printf ("%d ",i);
11.    }
12.    return 0;
13. }
```

Your Input Goes Here...!!!

100 92 84 76 68 60 52

13:09 04-04-2023

C

Run

Save

Logout

```
1. #include<stdio.h>
2. int main() {
3.     int height;
4.     printf("enter the height of the inverted pyramid:\n");
5.     scanf("%d",&height);
6.     for(int i=height; i>=1;i--){
7.         for(int j=height-i;j>0;j--){
8.             printf(" ");
9.         }
10.        for(int k=2*i-1;k>0;k--){
11.            printf("*");
12.        }
13.        printf("\n");
14.    }
15.    return 0;
16. }
```

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

```
1. #include <stdio.h>
2. #include <string.h>
3. int main(void)
4. {char*str="TEMPLE";
5. printf("reverse the string:");
6. for(int i=(strlen(str)-1);i>=0;i--)
7. {printf("%c",str[i]);
8. }return 0;
9. }
10.
11.
12.
13.
14.
15.
```

Your Input Goes Here...!!!

reverse the string:ELPMET



Run

Save

Logout

```
#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

```

1. #include <stdio.h>
2. #include<string.h>
3. #define max_names 100
4. #define max_name_length 50
5.
6. int main() {
7. char names [max-names]
8. [max_name_length];
9. int n;
10. printf("enter the number of names:");
11. scanf("%d",&n);
12. printf("enter%d names:\n",n);
13. for(int i=0;i<n;i++){
14. for(int j=0;j<n-i-1;j++){
15. if(strcmp(names[j],names[j+1])>0){
16. char temp[max_name_length];
17. strcpy(temp,names[j]);
18. strcpy(names[j],names[j+1]);
19. strcpy(names[j+1],temp);
20. }
21. }
22. }
23. printf('\nnames in ascending alphabetical order:\n');
24. for(int i=0;i<n;i++);
25. printf("%s\n",names[i]);
26. return 0;
27. }

```

Your Input Goes Here...!!!

```

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

```