

Questions  
CEQ1.

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

Sample Input:

String: TEMPLE

Sample Output:

Reverse String: ELPMET

Test Cases

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

- CEQ1
- CEQ2
- CEQ3
- CEQ4
- CEQ5
- CEQ13
- CEQ14
- CEQ15
- CEQ16

C

Run

Save

```
1 #include<stdio.h>
2 #include<conio.h>
3 int main()
4 {
5     int n;
6     printf("enter the number");
7     scanf("%d",&n);
8     printf("\n reversed the number to %d is",n);
9     while(n>0)
10    {
11        printf("%d",n%10);
12        n=n/10;
13    }
14    return 0;
15 }
```

1234

enter the number  
reversed the number to 1234 is4321

LG

MENU/READER/FUNC/AUTO/INPUT/EXIT

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# Questions

CEQ10.  
Write a program to print the numbers from M to N by skipping K numbers in between?

Sample Input:

M = 50  
N = 100  
K = 7

Sample Output:

50, 58, 66, 74, ....

## Test Cases

1. M = 15, N = 05, K = 02
2. M = 25, N = 50, K = 04
3. M = 15, N = 100, K = -02
4. M = 0, N = 0, K = 2
5. M = 200, N = 200, K = 50

CEQ13  
CEQ14  
CEQ15  
CEQ16

C

Run

Save

Logout

```
1. #include<stdio.h>
2. #include<conio.h>
3. int main()
4. {
5.     int m,n,k,i;
6.     printf("enter the starting value");
7.     scanf("%d",&m);
8.     printf("enter the ending value");
9.     scanf("%d",&n);
10.    for(i=m;i<=n;i=i+K)
11.    {
12.        printf("/nskipping value:%d",i);
13.    }
14.    i=i+K;
15.    return 0;
16. }
```

50  
100

enter the starting valueenter the ending  
value/nskipping  
value:1857552384/nskipping

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MENU / L. READER / 4. FUNC. / AUTO / INPUT / OUT



Sample Input:

Mat1 = 1 2  
5 3  
Mat2 = 2 3  
4 1

Sample Output:

Mat Sum = 3 5  
9 4

```
1. #include<stdio.h>
2. int main ()
3. {
4.     int a[2][2]={{1,2},{5,3}};
5.     int b[2][2]={{2,3},{4,1}};
6.     int c[2][2];
7.     int i,j;
8.     for(i=0;i<2;i++){
9.         for(j=0;j<2;j++){
10.            c[i][j]=a[i][j]+b[i][j];
11.        }
12.    }
13.    printf("result of addition:\n");
14.    for(i=0;i<2;i++)
15.    {
16.        for(j=0;j<2;j++)
17.        {
18.            printf("%d",c[i][j]);
19.        }
20.        printf("\n");
21.    }
22.    return 0;
}
```

Your Input Goes Here....!!

result of addition:

35

94

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Write a program to print the Inverted Full Pyramid pattern?

CEQ13  
CEQ14  
CEQ15  
CEQ16

C

Run

Save

Logout

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,j,rows,space;
5     printf("enter the number of rows");
6     scanf("%d",&rows);
7     for(i=rows;i>=1;i--)
8     {
9         for(space=0;space<rows-i;space++)
10        {
11            printf(" ");
12        }
13        for(j=i;j<=2*i-1;j++)
14        {
15            printf("*");
16        }
17        for(j=0;j<1;j++)
18        {
19            printf("\n");
20        }
21    }
```

4

enter the number of rows\*\*\*\*\*



SIMATS C IDE

172.18.50.8

Write a program to print all the composite numbers between a and b?

Sample Input:

A = 12

B = 19

Sample Output:

14, 15, 16, 18

1. A = 11, B = 11
2. A = 20, B = 10
3. A = 0, B = 0
4. A = -5, B = 5
5. A = 7, B = -12

CEQ13

CEQ14

CEQ15

CEQ16

Logout

C

Run

Save

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,j,limit;
5     int composite=0;
6     printf("enter the limit");
7     scanf("%d",&limit);
8     printf("composite numbers upto:%d",limit);
9     for(i=2;i<=limit;i++)
10    {
11        composite=0;
12        for(j=i-1;j>1;j--1)
13        {
14            if(i%j==0)
15                composite=1;
16        }
17        if(composite==1)
18            printf("%d\t",i);
19    }
20    printf("\n");

```

4  
6

Runtime Error

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MENU/← READER/4 FUNC/→ AUTO/▽ INPUT/EXIT

Write a program to print rectangle symbol pattern.  
Get the symbol as input from user.

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

6

enter the number of rows\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*



Max Number of time printed: 3

1  
1 1  
1 1 1  
1 1  
1

Run

Save

```
1. #include<stdio.h>
2. #include<conio.h>
3. int main()
{
    int num,i,j,k=1;
    printf("enter the number to define the columns\n");
    scanf("%d",&num);
    for(i=1;i<=num;i++)
    {
        for(j=1;j<=i;j++)
        {
            printf("1");
        }
        printf("\n");
    }
    for(i=num-1;i>=1;i--)
    {
        for(j=1;j<=i;j++)
        {
            printf("1");
        }
        printf("\n");
    }
    return 0;
}
```

3

enter the number to define the columns

1  
11  
111  
11  
1

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MENU/L READER/FUNC/AUTO/INPUT/EXIT