

```

1- /*****
2
3           Online C Compiler.
4           Code, Compile, Run and Debug C program online
5 Write your code in this editor and press "Run" button to compile
6
7 *****/
8
9 #include <stdio.h>
10 int main() {
11     int i, j, rows, k=1;
12     printf("Enter the number of rows: ");
13     scanf("%d", &rows);
14     for (i = 1; i <= rows; i++) {
15         for (j = 1; j <= i; j++) {
16             printf("%d ", k);
17             k++;
18         }
19         printf("\n");
20     }
21     return 0;
22 }

```

input

Enter the number of rows: 4

```

1
2 3
4 5 6
7 8 9 10

```

...Program finished with exit code 0  
Press ENTER to exit console.

Write your code in this editor and press "Run" button to compile and

.....

```
#include <stdio.h>
int main()
{
    int cm, sm1, sm2, sum;
    printf("Enter marks of cie:\n");
    scanf("%d", &cm);
    printf("Enter marks of sie:\n");
    scanf("%d", &sm1);
    sm2 = sm1/2;
    sum = cm + sm2;
    if(cm <= 50){
        if(sm1 <= 100){
            if(sum >= 90){
                printf("S grade\n");
            }
            else if(sum >= 80 && sum < 90){
                printf("A grade\n");
            }
            else if(sum >= 70 && sum < 80){
                printf("B grade\n");
            }
            else if(sum >= 60 && sum < 70){
                printf("C grade\n");
            }
            else if(sum >= 50 && sum < 60){
                printf("D grade\n");
            }
            else if(sum >= 40 && sum < 50){
                printf("E grade\n");
            }
            else{
                printf("Fail\n");
            }
        }
        else{
            printf("invalid marks\n");
        }
    }
    else{
        printf("invalid marks\n");
    }
    return 0;
}
```

Enter marks of cie:

30

Enter marks of sie:

60

C grade

...Program finished with exit code 0

Press ENTER to exit console.



Online C Compiler.

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Write your code in this editor and press "Run" button to compile and ex

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```
1
2
3
4
5
6
7
8
9 #include <stdio.h>
10 void main() {
11     int n1, n2, i, j;
12     printf("Enter two positive integers:\n");
13     scanf("%d %d", &n1, &n2);
14     printf("Prime numbers between %d and %d are: ", n1, n2);
15     for (i = n1 + 1; i < n2; i++){
16         int flag = 1;
17         for(j=2; j<= i/2; j++){
18             if (i % j == 0) {
19                 flag = 0;
20                 break;
21             }
22         }
23         if (flag == 1){
24             printf("%d ", i);
25         }
26     }
27 }
```

Input

Enter two positive integers;

1

15

Prime numbers between 1 and 15 are: 2 3 5 7 11 13

...Program finished with exit code 15

Press ENTER to exit console.