

GRADE

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

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int C, S;
```

```
    float AVG;
```

```
    printf("enter CIE marks \n");
```

```
    scanf("%d", &C);
```

```
    printf("enter SEE marks \n");
```

```
    scanf("%d", &S);
```

```
    while (C >= 0 && C <= 50 && S >= 0 && S <= 100)
```

```
    {
```

```
        AVG = C + (S/2);
```

```
        if (AVG >= 90)
```

```
        {
```

```
            printf("Grade is A");
```

```
            break;
```

```
        } else if (AVG >= 80 && AVG <= 90)
```

```
        {
```

```
            printf("Grade is B");
```

```
            break;
```

```
        } else if (AVG >= 70 && AVG <= 80)
```

```
        {
```

```
            printf("Grade is C");
```

```
            break;
```

```
        } else if (AVG >= 60 && AVG <= 50)
```

```
        {
```

```
            printf("Grade is D");
```

```
            break;
```

```
        } else
```

```
        {
```

```
            printf("Grade is E");
```

```
            break;
```

```
        }
```

```
        getch();
```

```
    }
```

PRIME

```
#include <stdio.h>
#include <stdlib.h>
void main()
{
    int n1, n2, i, j, flag, temp;
    printf("Enter the value of num1 and num2\n");
    scanf("%d %d", &n1, &n2);
    if (n2 < 2)
    {
        printf("There are no primes upto %d\n", n2);
        exit(0);
    }
    printf("Prime numbers are\n");
    temp = n1;
    if (n1 % 2 == 0)
    {
        n1++;
    }
    for (i = n1; i <= n2; i = i + 2)
    {
        flag = 0;
        for (j = 2; j <= i / 2; j++)
        {
            if (i % j == 0)
            {
                flag = 1;
                break;
            }
        }
        if (flag == 0)
        {
            printf("%d\n", i);
        }
    }
    getch();
}
```


3.

```
#include <stdio.h>
#include <conio.h>
```

```
void main()
```

```
{
```

```
    int i, j, n, c = 1;
```

```
    printf("enter the order\n");
```

```
    scanf("%d", &n);
```

```
    for (i = 1; i <= n; i++)
```

```
    {
```

```
        for (j = 1; j <= n; j++)
```

```
        {
```

```
            if (j <= i)
```

```
            {
```

```
                printf("%d\t", c);
```

```
                c = c + 1;
```

```
            }
```

```
            else
```

```
                printf("\n");
```

```
            }
```

```
                printf("\n");
```

```
            }
```


```
        getch();
```

```
    }
```

```
main.c
21     printf("grade is b"),
22     break;
23 }
24 else if(avg>=70&&avg<=80)
25 {
26     printf("grade is c");
27     break;
28 }
29 else if(avg>=60&&avg<=50)
30 {
31     printf("grade is d");
32     break;
33 }
34 else
35 {
36     printf("grade is e");
37     break;
38 }
39 getch();
40 }
41
42 }
```

input

```
enter cie marks
40
enter see marks
45
grade is e
...Program finished with exit code 10
```

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
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
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main.c

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     int n1,n2,i,j,flag,temp;
6     printf("enter the value of num1 and num2\n");
7     scanf("%d%d",&n1,&n2);
8     if(n2<2)
9     {
10        printf("there are no primes upto %d\n",n2);
11        exit(0);
12    }
13    printf("primes number are\n");
14    temp=n1;
15    if(n1%2==0)
16    {
17        n1++;
18    }
19    for(i=n1;i<=n2;i=i+2)
20    {
21        flag=0;
```

input

enter the value of num1 and num2
15
17
primes number are
17
...Program finished with exit code 255



RunDebugStopShareSaveBeautify

Language C

main.c

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

input

Enter the number of rows: 5
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

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