

```
#include<stdio.h>
int main()
{
    int i,j,n;
    int c=1;
    printf("Enter a number");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        for (j=1;j<=i;++j)
        {
            printf("%d \t",c);
            c=c+1;
        }
        printf("\n");
    }
}
```

E:\codeblocks\patt.exe

Enter a number5

```
1
2      3
4      5      6
7      8      9      10
11     12     13     14     15
```

Process returned 0 (0x0) execution time : 49.553 s  
Press any key to continue.



```
main()
```

```
int cie, see, tot;
printf("Enter the internal marks out of 50\n");
scanf("%d", &cie);
printf("Enter the semester marks out of 100\n");
scanf("%d", &see);
tot=cie+(see);
if (tot<40)
printf("Fail");
else if (tot>=40 && tot<60)
printf("D");
else if (tot>=60 && tot<70)
printf("C");
else if (tot>=70 && tot<80)
printf("B");
else if (tot>=80 && tot<90)
printf("A");
}
```

E:\codeblocks\gradeooj.exe

Enter the semester marks out of 100

89

Excellent

Process returned 0 (0x0) execution time : 7.971 s

Press any key to continue.



```

#include<stdio.h>
int main()
{
    int a,b,i,j;
    int c=0;
    printf("Enter the first number\n");
    scanf("%d",&a);
    printf("Enter the second number,bigger than the first\n");
    scanf("%d",&b);
    for (i=a+1;i<=b;i++)
    {
        for(j=1;j<=i;j++)
        {
            if ((i%j)==0)
                c++;
        }
        if (c==2)
            printf("%d \n",i);
        c=0;
    }
}

```

E:\codeblocks\prime.exe

```

Enter the first number
5
Enter the second number,bigger than the first
29
7
11
13
17
19
23
29

Process returned 0 (0x0)   execution time : 5.474 s
Press any key to continue.

```



```

#include<stdio.h>
#include<conio.h>
#include<math.h>
void cylinder();
void cone();
void sphere();
int main()
{
    int i;
    printf("Enter value of n as 0 to exit\n");
    scanf("%d",&i);
    while (i!=0)
    {
        printf("1 for area and volume of cylinder\n");
        printf("2 for area and volume of cone\n");
        printf("3 for area and volume of sphere\n");
        printf("Enter value of n as 0 to exit\n");
        scanf("%d",&i);
        if(i==1)
            cylinder();
        else if(i==2)
            cone();
        else if(i==3)
            sphere();
        else
            continue;
    }
}

```

E:\codeblocks\shape.exe

```

Enter value of n as 0 to exit
3
1 for area and volume of cylinder
2 for area and volume of cone
3 for area and volume of sphere
Enter value of n as 0 to exit
3
Enter the radius of sphere
3
Area=113.040001
Volume=84.779999
1 for area and volume of cylinder
2 for area and volume of cone
3 for area and volume of sphere
Enter value of n as 0 to exit
2
Enter the radius and height of cone
3
9
Area=39.208656
Volume=84.779999
1 for area and volume of cylinder
2 for area and volume of cone
3 for area and volume of sphere
Enter value of n as 0 to exit
0

```

Process returned 0 (0x0) execution time : 27.882 s  
Press any key to continue.

cks X Build log X Build messages X CppCheck/Vera++ X

```

#include<stdio.h>
#include<conio.h>
struct student
{
    char name[50];
    int d;
};
int main()
{
    int n;
    printf("Enter the no.of students\n");
    scanf("%d",&n);
    int i;
    struct student s[n];
    printf("Enter the details of the students subjects\n");
    printf("Enter the subject code 1 for internal things\n");
    printf("Enter the subject code 2 for Advanced Java\n");
    printf("Enter the subject code 3 for Advanced data structure\n");
    for(i=0;i<n;i++)
    {
        printf("Enter the details of student\n");
        scanf("%s",s[i].name);
        scanf("%d",s[i].d);
    }
}

```

E:\codeblocks\stuprog5.exe

```

Enter the no.of students
60
Enter the details of the students subjects
Enter the subject code 1 for internal things
Enter the subject code 2 for Advanced Java
Enter the subject code 3 for Advanced data structure
Enter the details of student
asdfg
7

```

Build log Build messages CppCheck/Vera++ CppCheck/Vera++

Line	Message
1	Build file: "no target" in "no project"