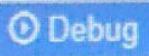




File



Run



Debug



Stop



Share



Save



Beautify



main.c

```
1 #include <stdio.h>
2 int main()
3 {
4     int cie,see;
5     float total;
6     printf("Enter student marks: ");
7     scanf("%d%d%", &cie, &see);
8     total = (cie)+see/2;
9     printf("total = %.2f\n", total);
10    if(total>=90) {
11        printf("Grade S");
12    }
13    else if(total >= 80)
14    {
15        printf("Grade A");
16    }
17    else if(total >= 70)
18    {
19        printf("Grade B");
20    }
21    else if(total >= 60)
22    {
23        printf("Grade C");
24    }
25    else if(total >= 50)
26    {
27        printf("Grade D");
28    }
29    else if(total >= 40)
30    {
```



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```
main.c
19         printf("Grade B");
20     }
21     else if(total >= 60)
22     {
23         printf("Grade C");
24     }
25     else if(total >= 50)
26     {
27         printf("Grade D");
28     }
29     else if(total >= 40)
30     {
31         printf("Grade E");
32     }
33     else
34     {
35         printf("Grade F");
36     }
37
38     return 0;
39 }
```

main.c:7:16: warning: spurious trailing '%' in format [-Wformat=]

Enter student marks:



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Run

Debug

Stop

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{ } Beautify



main.c

```
19         printf("Grade B");
20     }
21     else if(total >= 60)
22     {
```

```
main.c:7:16: warning: spurious trailing '%' in format [-Wformat=]
```

```
Enter student marks: 40 85
```

```
total = 82.00
```

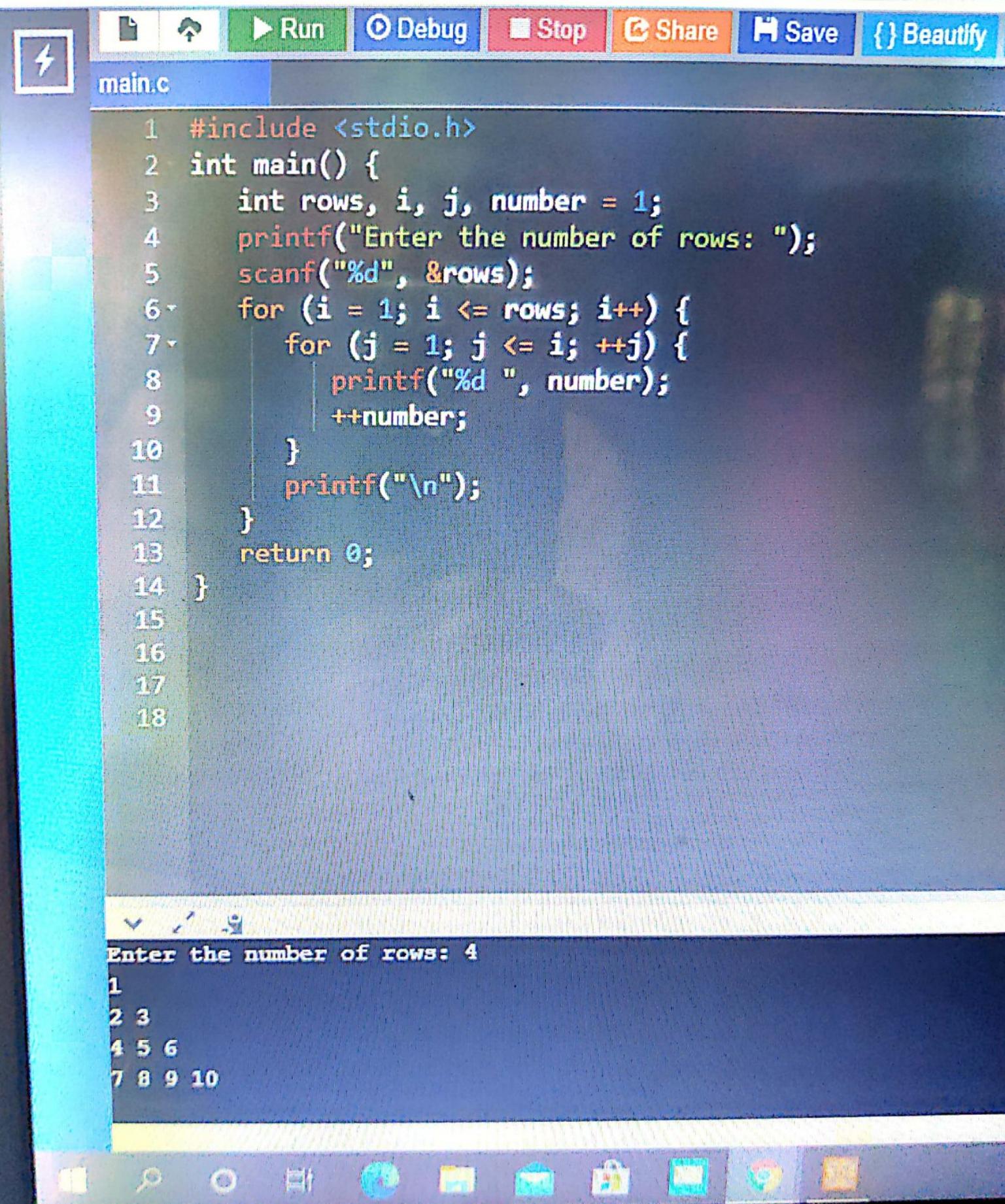
```
Grade A
```

```
...Program finished with exit code 0
```

```
Press ENTER to exit console.
```

I





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main.c

```
#include <stdio.h>
void main()
{
    int n1,n2;
    printf("Enter the first number ");
    scanf("%d",&n1);
    printf("Enter the second number ");
    scanf("%d",&n2);
    printf("The prime numbers are: ");
    for(int i=n1;i<=n2;i++)
    {
        int c=0;
        for(int j=1;j<=i;j++)
        {
            if(i%j==0)
            {
                c++;
            }
        }
        if(c==2)
        printf("%d ",i);
    }
}
```

Enter the first number



1bM19cS031_Raje...pdf



1Bm19Cs031_rajes...pdf



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main.c

```
1 //prime numbers
2 void main()
3 {
4     int n1,n2;
5     printf("Enter the first number ");
6     scanf("%d",&n1);
7
8     Enter the first number 1
9     Enter the second number 9
10    The prime numbers are: 2 3 5 7
11
12    ...Program finished with exit code 9
13    Press ENTER to exit console.
```



1bM19cS031_Raje....pdf



18m19Cs031_rajes....pdf



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main.c

```
1 #include <stdio.h>
2 #include <math.h>
3 #define PI 3.14
4 int main()
5 {
6     float radius, height;
7     float surface_area, volume;
8     int option;
9
10    while (option != -1) {
11
12
13        printf("==Menu==\n");
14        printf("1.Area of Cylinder \n");
15        printf("2.Area of Cone\n");
16        printf("3.Area of Sphere\n");
17        printf("Enter the option from menu(-1 to exit)\n");
18        scanf("%d", &option);
19
20        if (option == 1)
21        {
22            printf("Enter value for radius and height of a cylinder \n");
23            scanf("%f%f", &radius, &height);
24            surface_area = 2 * (22 / 7) * radius * (radius + height);
25            volume = (22 / 7) * radius * radius * height;
26            printf("Surface area of cylinder is: %.3f\n", surface_area);
27            printf("\nVolume of cylinder is : %.3f\n", volume);
28        }
29        else if (option == 2)
30    }
```

input

This screenshot shows a web-based C compiler interface. The URL in the address bar is 'onlinegdb.com/online_c_compiler'. The interface has a blue header with navigation icons (back, forward, home) and a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. Below the toolbar is a file list showing 'main.c'. The main area contains the C code for calculating the surface area and volume of a cylinder and a cone. The code includes #include directives for stdio.h and math.h, a #define for PI, and a main function. It uses a while loop to repeatedly prompt the user for an option (1 for cylinder, 2 for cone, -1 to exit). For each option, it prints a menu item, reads input, calculates the required values using the formula for the surface area of a cylinder ($2\pi r(r+h)$) and the volume of a cylinder ($\pi r^2 h$), and then prints the results. The code is color-coded for syntax highlighting.

```
Run Debug Stop Share Save Beautify main.c
surface_area = 2 * (22 / 7) * radius * (radius + height);
volume = (22 / 7) * radius * radius * height;
printf("Surface area of cylinder is: %.3f\n", surface_area);
printf("\nVolume of cylinder is : %.3f\n", volume);

}
else if (option == 2)
{
    printf("Enter value of radius and height of a cone :\n ");
scanf("%f%f", &radius, &height);
surface_area = (22 / 7) * radius * (radius + sqrt(radius * radius + height * height));
volume = (1.0/3) * (22 / 7) * radius * radius * height;
printf("Surface area of cone is: %.3f\n", surface_area);
printf("\nVolume of cone is : %.3f\n", volume);

}else if(option==3){

    printf("\n Please Enter the radius of a Sphere \n");
scanf("%f", &radius);

surface_area = 4 * PI * radius * radius;
volume = (4.0 / 3) * PI * radius * radius * radius;
printf("\nThe Surface area of a Sphere = %.2f\n", surface_area);
printf("\nThe Volume of a Sphere = %.2f\n", volume);
}

}
return 0;
}
```

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main.c

```
surface_area = (2 * 3.14 * radius * height) + (2 * 3.14 * radius * radius);
volume = (3.14 * radius * radius * height);
printf("Surface area of cylinder is: %.3f", surface_area);
printf("\nVolume of cylinder is : %.3f", volume);
```

==Menu==

1.Area of Cylinder
2.Area of Cone
3.Area of Sphere
Enter the option from menu(-1 to exit)

2

Enter] value of radius and height of a cone :

5 10

Surface area of cone is: 242.705

Volume of cone is : 250.000

==Menu==

1.Area of Cylinder
2.Area of Cone
3.Area of Sphere
Enter the option from menu(-1 to exit)

-1

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

The screenshot shows a code editor window for a C program named 'main.c'. The code prompts the user for the number of students and their elective choices (IoT, Advanced Java/J2EE, or Advanced Data Structures). It then calculates the minimum choice value.

```
1 #include <stdio.h>
2 int main()
3 {
4     int n,i, e1=0, e2=0, e3=0, x, p,min,l=0;
5     struct student
6     {
7         int elec;
8         char name[20];
9     }ar[100];
10    printf("Enter the number of the students\n");
11    scanf("%d",&n);
12    printf("Choice of elective:\n1-IoT,2-Advanced Java and J2EE,3-Advanced data structures\n");
13    for(i=0;i<n;i++)
14    {
15        printf("Enter % d student's name and the choice of elective\n",i+1);
16        scanf("%s%d",ar[i].name,&ar[i].elec);
17        if(ar[i].elec==1)
18            e1++;
19        if(ar[i].elec==2)
20            e2++;
21        if(ar[i].elec==3)
22            e3++;
23    }
24    if(e1<=e2&&e1<=e3)
25        min=e1;
26    if(e2<=e1&&e2<=e3)
27        min=e2;
28    if(e3<=e2&&e3<=e1)
29        min=e3;
30    printf("Enter the course number\n");
```

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main.c

```
9 }ar[100];
10 printf("Enter the number of the students\n");
11 scanf("%d",&n);
12 printf("Choice of elective:\n1-IoT,2-Advanced Java and J2EE,3-Advanced data structures\n");
13 for(i=0;i<n;i++)
14 {
15     printf("Enter % d student's name and the choice of elective\n",i+1);
16     scanf("%s%d",ar[i].name,&ar[i].elec);
17     if(ar[i].elec==1)
18         e1++;
19     if(ar[i].elec==2)
20         e2++;
21     if(ar[i].elec==3)
22         e3++;
23 }
24 if(e1<=e2&&e1<=e3)
25 min=e1;
26 if(e2<=e1&&e2<=e3)
27 min=e2;
28 if(e3<=e2&&e3<=e1)
29 min=e3;
30 printf("Enter the course number\n");
31 scanf("%d",&x);
32 printf("Names of the students who have opted for %d:\n",x);
33 for(i=0;i<n;i++)
34 {
35     if(ar[i].elec==x)
36         printf("%s\n",ar[i].name);
37 }
38 printf("Total number of students in 1st course is %d\n",e1);
```

input

DELL

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main.c

```
37     printf("Total number of students in 1st course is %d\n",e1);
38     printf("Total number of students in 2nd course is %d\n",e2);
39     printf("Total number of students in 3rd course is %d\n",e3);
40     if(e1<3&&e2>=3&&e3>=3)
41     {
42         printf("Course 1 will not be floated. Please select from the other 2 courses\n");
43         p=1;
44         l=1;
45     }
46     if(e2<3&&e1>=3&&e3>=3)
47     {
48         printf("Course 2 will not be floated. Please select from the other 2 courses\n");
49         p=2;
50         l=1;
51     }
52     if(e3<3&&e1>=3&&e2>=3)
53     {
54         printf("Course 3 will not be floated. Please select from the other 2 courses\n");
55         p=3;
56         l=1;
57     }
58     if(l==0)
59     {
60         if(min==e1)
61         {
62             printf("Please select from course 2 and 3\n");
63             p=1;
64         }
65         else if(min==e2)
66         {
67             printf("Please select from course 1 and 3\n");
68             p=2;
69         }
70     }
71 }
```

input



DELL

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main.c

```
65    }
66    else if(min==e2)
67    {
68        printf("Please select from course 1 and 3\n");
69        p=2;
70    }
71    else if(min==e3)
72    {
73        printf("Please select from course 1 and 2\n");
74        p=3;
75    }
76}
77 if(p==1)
78{
79    for(i=0;i<n;i++)
80{
81    if(ar[i].elec==1)
82{
83        printf("Enter a different course. Name:%s\n",ar[i].name);
84        scanf("%d",&ar[i].elec);
85    }}}
```

86 else if(p==2)

87{

88 for(i=0;i<n;i++)

89{

90 if(ar[i].elec==2)

91{

92 printf("Enter a different course. Name:%s\n",ar[i].name);

93 scanf("%d",&ar[i].elec);

94}}}

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main.c

```
94     }}}
```

```
95     else if(p==3)
96     {
97         for(i=0;i<n;i++)
98         {
99             if(ar[i].elec==3)
100            {
101                printf("Enter a different course. Name:%s\n",ar[i].name);
102                scanf("%d",&ar[i].elec);
103            }}
```

```
104        printf("Students in 1 elective\n");
105        for(i=0;i<n;i++)
106        {
107            if(ar[i].elec==1)
108                printf("%s\n",ar[i].name);
109        }
110        printf("Students in 2 elective\n");
111        for(i=0;i<n;i++)
112        {
113            if(ar[i].elec==2)
114                printf("%s\n",ar[i].name);
115        }
116        printf("Students in 3 elective\n");
117        for(i=0;i<n;i++)
118        {
119            if(ar[i].elec==3)
120                printf("%s\n",ar[i].name);
121        }
122        return 0;
123    }
```



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main.c

```
94     }}}
```

```
95     else if(p==3)
96     {
97         for(i=0;i<n;i++)

```

Choice of elective:

```
1-IoT,2-Advanced Java and J2EE,3-Advanced data structures
```

Enter 1 student's name and the choice of elective

```
Lasya
```

```
2
```

Enter 2 student's name and the choice of elective

```
Abhi
```

```
1
```

Enter the course number

```
356
```

Names of the students who have opted for 356:

```
Total number of students in 1st course is 1
Total number of students in 2nd course is 1
Total number of students in 3rd course is 0
Please select from course 1 and 2
```

Students in 1 elective

```
Abhi
```

Students in 2 elective

```
Lasya
```

Students in 3 elective

...Program finished with exit code 0

Press ENTER to exit console.