

Administrator: Command Prompt

Microsoft Windows [Version 10.0.18363.1082]  
(c) 2019 Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\>

C:\>javac Series.java

javac: file not found: Series.java

Usage: javac <options> <source files>

use -help for a list of possible options

C:\>cd java

C:\java>javac Series.java

C:\java>java Series

Enter the number of rows

4

1

2 3

4 5 6

7 8 9 10

C:\java>

Type here to search

20:40  
25-09-2020

```
Command Prompt
Microsoft Windows [Version 10.0.18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\tasmi>cd\

C:\>cd java

C:\java>javac Grade.java

C:\java>java Grade
Enter the CIE Marks for the student out of 50
48
Enter the SEE Marks for the student out of 100
90
The student has obtained S Grade
C:\java>
```

```
Command Prompt
Microsoft Windows [Version 10.0.18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\tasmi>cd/

C:\>cd java

C:\java>javac Prime.java

C:\java>java Prime
Enter the starting and ending numbers
2
30
The Prime numbers are
2
3
5
7
11
13
17
19
23
29

C:\java>
```

Type here to search

21:01  
25-09-2020

```
Command Prompt
Microsoft Windows [Version 10.0.18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\tasmi>cd\

C:\>cd java

C:\java>javac Area.java

C:\java>java Area
Enter your choice
1.Cylinder
2.Cone
3.Sphere

1
Enter the radius and height of Cylinder
3
4
Area of the Solid= 131.88
Volume of the Solid= 113.03999999999999
For different Solid,Enter option between 1 to 3 . To Exit Enter 0
2
Enter the radius and height of Cone
5
7
Area of the Solid= 213.55650669256926
Volume of the Solid= 183.16666666666666
For different Solid,Enter option between 1 to 3 . To Exit Enter 0
3
Enter the radius and height of Sphere
8
9
Area of the Solid= 803.84
Volume of the Solid= 602.88
For different Solid,Enter option between 1 to 3 . To Exit Enter 0
0

C:\java>
```

**OnlineGDB** beta  
online compiler and debugger for c/c++  
code. compile. run. debug. share.

IDE  
My Projects  
Classroom **new**  
Learn Programming  
Programming Questions  
Sign Up  
Login

f t + 41K

**GOT AN OPINION?**  
SHARE AND GET REWARDED.

About • FAQ • Blog • Terms of Use •  
Contact Us • GDB Tutorial • Credits •  
Privacy  
© 2016 - 2020 GDB Online

```
main.c
9  #include <stdio.h>
10 #include <stdlib.h>
11
12 struct Student {
13     char name[40];
14     int elective;
15 };
16
17 int main(){
18     int i,j,choice,n,least,temp;
19     int count[3] = {0,0,0};
20     char electives[3][40] = {"IOT", "Advanced Java", "J2EE"};
21     printf("Enter number of students: ");
22     scanf("%d",&n);
23
24     struct Student student[n];
25
26     for(i=0;i<3;i++){
27         printf("\n%d-%s",i+1,electives[i]);
28     }
29
30     for(i=0;i<n;i++){
31         printf("\nEnter the name of student: ");
32         scanf("%s",student[i].name);
33         printf("\nEnter the choice: ");
34         scanf("%d",&student[i].elective);
35     }
36 }
```

main.c

```
37 for(i=0;i<n;i++){
38     if(student[i].elective == 1){
39         count[0]++;
40     }else if(student[i].elective == 2){
41         count[1]++;
42     }else{
43         count[2]++;
44     }
45 }
46
47 printf("\nOperation 1: \n");
48 printf("Enter the choice of elective you want to get the list for: \n");
49 int x;
50 scanf("%d",&x);
51
52 for(i=0;i<n;i++){
53     if(student[i].elective == x){
54         printf("> %s\n",student[i].name);
55     }
56 }
57
58 printf("Operation 2\n");
59 printf("Number of students in %s elective: %d\n",electives[0],count[0]);
60 printf("Number of students in %s elective: %d\n",electives[1],count[1]);
61 printf("Number of students in %s elective: %d\n",electives[2],count[2]);
62
63 printf("Operation 3\n");
64
```

New Tab x WhatsApp x Online C Compiler - online editor x OOJ-LAB-D1-SEP-2020 3D x

onlinegdb.com/online\_c\_compiler

Apps YouTube Maps Gmail News Translate

Run Debug Stop Share Save {} Beautify

Language C

main.c

```
64
65
66     if(count[0] < 3){
67         printf("%s students must chose another elective due to less number\n",electives[0]);
68         printf("choose between Advanced Java(2) and J2EE(3)\n");
69         scanf("%d",&choice);
70         for(i=0;i<n;i++){
71             if(student[i].elective == 1){
72                 student[i].elective = choice;
73                 count[0]--;
74                 count[choice-1]++;
75             }
76         }
77     }
78     if(count[1] < 3){
79         printf("%s students must chose another elective due to less number\n",electives[1]);
80         printf("choose between IOT(1) and J2EE(3)\n");
81         scanf("%d",&choice);
82         for(i=0;i<n;i++){
83             if(student[i].elective == 2){
84                 student[i].elective = choice;
85             }
86             count[0]--;
87             count[choice-1]++;
88         }
89     }
90     if(count[2] < 3){
91         printf("%s students must chose another elective due to less number\n",electives[2]);
```

Type here to search

16:43 25-09-2020

```
main.c
91 printf("%s students must chose another elective due to less number\n",electives[2]);
92 printf("choose between Advanced Java(1) and J2EE(2)\n");
93 scanf("%d",&choice);
94 for(i=0;i<n;i++){
95     if(student[i].elective == 3){
96         student[i].elective = choice;
97     }
98     count[0]--;
99     count[choice-1]++;
100 }
101 }
102 printf("Number of students in %s elective: %d\n",electives[0],count[0]);
103 printf("Number of students in %s elective: %d\n",electives[1],count[1]);
104 printf("Number of students in %s elective: %d\n",electives[2],count[2]);
105
106 printf("Operation 4\n");
107
108 for(i=0;i<3;i++){
109     printf("\nStudents in %s: \n",electives[i]);
110     for(j=0;j<n;j++){
111         if(student[j].elective == (i+1)){
112             printf("> %s\n",student[j].name);
113         }
114     }
115 }
116 return 0;
117 }
118 }
```



```
input
Enter number of students: 3
1-IOT
2-Advanced Java
3-J2EE
Enter the name of student: tas
Enter the choice:
1
Enter the name of student: tassss
Enter the choice: 3
Enter the name of student: yyyyyy
Enter the choice: 4

Operation 1:
Enter the choice of elective you want to get the list for:
1
> tas
Operation 2
Number of students in IOT elective: 1
Number of students in Advanced Java elective: 0
Number of students in J2EE elective: 2
Operation 3
```

**OnlineGDB** beta  
online compiler and debugger for c/c++  
code. compile. run. debug. share.

IDE  
My Projects  
Classroom **new**  
Learn Programming  
Programming Questions  
Sign Up  
Login

f t + 41K

**GOT AN OPINION?**  
SHARE AND GET REWARDED.

About • FAQ • Blog • Terms of Use •  
Contact Us • GDB Tutorial • Credits •  
Privacy  
© 2016 - 2020 GDB Online

input

```
Operation 2
Number of students in IOT elective: 1
Number of students in Advanced Java elective: 0
Number of students in J2EE elective: 2
Operation 3
IOT students must chose another elective due to less number
choose between Advanced Java(2) and J2EE(3)
2
Advanced Java students must chose another elective due to less number
choose between IOT(1) and J2EE(3)
3
Number of students in IOT elective: -3
Number of students in Advanced Java elective: 1
Number of students in J2EE elective: 5
Operation 4

Students in IOT:

Students in Advanced Java:

Students in J2EE:
> tas
> tassss

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