

## WEEK 2- OOI LAB

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Sir/Ma'am, the programs executed whose outputs are given below are the ones written in my observation pdf of this week.

3-



```
main.c
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 and execute it.
6
7      *****/
8
9      #include <stdio.h>
10
11     int main()
12     {
13         int n, i, j, k=1;
```

input

```
enter 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.
```



```
main.c
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 and execute it.
6
7      *****/
8
9      #include <stdio.h>
10
11     int main()
12     {
13         int n, i, j, k=1;
```

input

```
enter number of rows:6
1
2      3
4      5      6
7      8      9      10
11     12     13     14     15
16     17     18     19     20     21

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

4-

The screenshot shows a C program in a code editor with a toolbar at the top containing buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The code in the editor is as follows:

```
main.c
28
29     printf("Grade: D\n");
```

Below the code editor is a console window titled "input" showing the program's execution. The user enters CIE and SEE marks for six subjects, and the program outputs the corresponding grade for each.

```
enter CIE marks for subject 1:12
enter SEE marks for subject 1:23
Grade: D
enter CIE marks for subject 2:11
enter SEE marks for subject 2:11
Grade: F
enter CIE marks for subject 3:45
enter SEE marks for subject 3:66
Grade: A
enter CIE marks for subject 4:23
enter SEE marks for subject 4:34
Grade: C
enter CIE marks for subject 5:32
enter SEE marks for subject 5:45
Grade: B
enter CIE marks for subject 6:45
enter SEE marks for subject 6:66
Grade: A

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

5-

The screenshot shows a C program in a code editor with a toolbar at the top containing buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The code in the editor is as follows:

```
main.c
9  #include <stdio.h>
10 int main()
11 {
```

Below the code editor is a console window titled "input" showing the program's execution. The user enters two numbers, 22 and 55, and the program outputs their sum, 77.

```
Enter first number:22
Enter second number:55
77

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

```
main.c
9 #include <stdio.h>
10 int main()
11 {
    Enter first number:32
    Enter second number:66
    37
    41
    43
    47
    53
    59
    61
    < ...Program finished with exit code 0
    Press ENTER to exit console.
```

6-

```
main.c
30 printf("area=%f\n volume=%f\n",area,vol);
31 break;
    area and volume
    1.Cylinder    2.Cone    3.Sphere
    select shape option:1
    CYLINDER
    enter radius and height:4 5
    area=226.080002
    volume=251.199997
    do you want to find area and volume for another shape? (y/n)?
    y
    area and volume
    1.Cylinder    2.Cone    3.Sphere
    select shape option:2
    CONE
    enter radius and height:3 6
    area=169.559998
    volume=56.520000
    do you want to find area and volume for another shape? (y/n)?
    y
    area and volume
    1.Cylinder    2.Cone    3.Sphere
    select shape option:3
```

main.c

```
30 printf("area=%f\n volume=%f\n",area,vol);  
31 break;
```

input

y

area and volume

1.Cylinder 2.Cone 3.Sphere

select shape option:2

CONE

enter radius and height:3 6

area=169.559998

volume=56.520000

do you want to find area and volume for another shape? (y/n)?

y

area and volume

1.Cylinder 2.Cone 3.Sphere

select shape option:3

SPHERE

enter radius:6

area=452.160004

volume=904.320007

do you want to find area and volume for another shape? (y/n)?

n

...Program finished with exit code 0

Press ENTER to exit console.