



OOP AND COMPUTER GRAPHICS LABORATORY

*Practical Examination
SPPU AY 2020-21
Semester :- 1*



SUBMITTED BY :-

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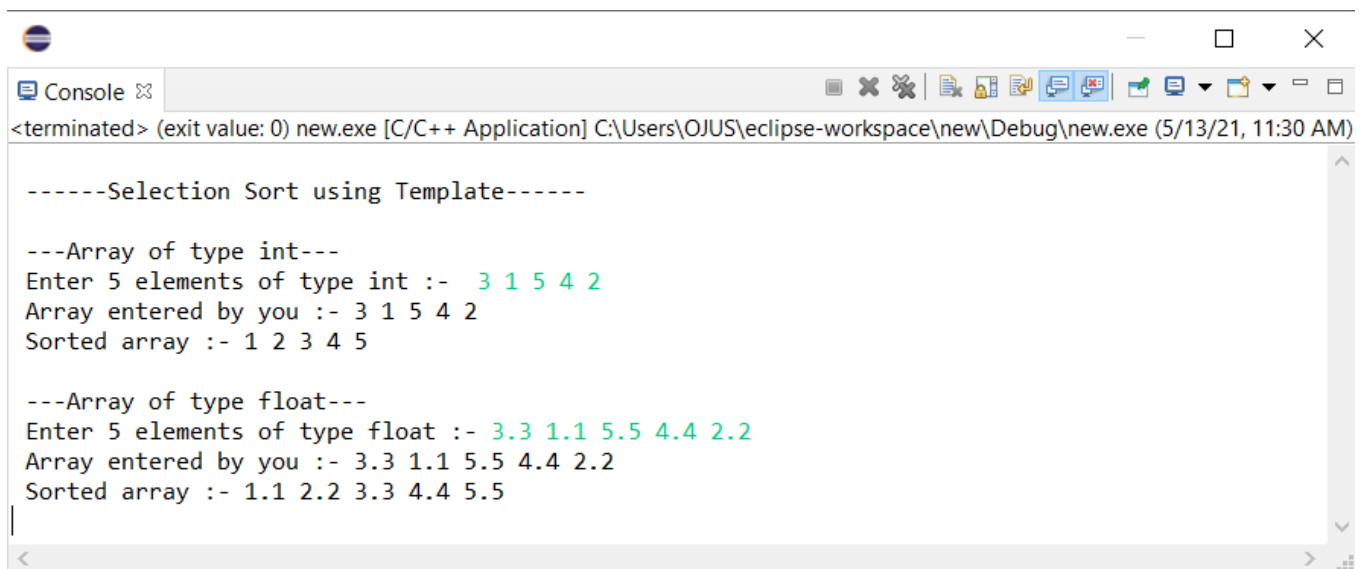
OOP Laboratory

Assignment No. 5

Problem Statement :- Write a function template for selection sort that inputs, sorts and outputs an integer array and a float array.

Solution :-

Output :



```
<terminated> (exit value: 0) new.exe [C/C++ Application] C:\Users\OJUS\eclipse-workspace\new\Debug\new.exe (5/13/21, 11:30 AM)

-----Selection Sort using Template-----

---Array of type int---
Enter 5 elements of type int :-  3 1 5 4 2
Array entered by you :- 3 1 5 4 2
Sorted array :- 1 2 3 4 5

---Array of type float---
Enter 5 elements of type float :- 3.3 1.1 5.5 4.4 2.2
Array entered by you :- 3.3 1.1 5.5 4.4 2.2
Sorted array :- 1.1 2.2 3.3 4.4 5.5
```

CG Laboratory

Assignment No. 6

Problem Statement :- Write C++ program to draw 3-D cube and perform following transformations on it using OpenGL

- i) Scaling
- ii) Translation
- iii) Rotation about an axis (X/Y/Z).

Solution :-

Output :

Enter your choice number:

- 1.Translation
- 2.Scaling
- 3.Rotation
- 4.Reflection

=>4

Enter your choice for reflection about plane:

- 1.X-Y
- 2.Y-Z
- 3.X-Z

=>3

