



भारतीय सूचना प्रौद्योगिकी संस्थान, पुणे  
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(An Autonomous Institute of National Importance under act of Parliament)

## ADA LAB 5

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Ques 1:

INPUT:

```
72 | cout<<"Level order traversal of array is :  
PROBLEMS (3) OUTPUT DEBUG CONSOLE TERMINAL JUPYTER  
● PS C:\Users\somsi\ada_lab\lab_5> cd "c:\Users\somsi\ada_lab\lab  
ENTER NO. OF ELEMENTS IN ARRAY  
5  
ENTER NO. OF ELEMENTS  
5 4 3 1 2
```

OUTPUT:

```
Sorted Array using heapsort is :  
1 2 3 4 5  
Level order traversal of array is :  
Level <----> 0 : 5  
Level <----> 1 : 4 3  
Level <----> 2 : 2 1  
time taken : 10.248 secs  
○ PS C:\Users\somsi\ada_lab\lab_5> |
```

Ques 2:

INPUT:

```
PROBLEMS (2) OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
● PS C:\Users\somsi\ada_lab\lab_5> cd "c:\Users\somsi\ada_lab\lab
ENTER NO. OF ELEMENTS IN ARRAY
5
ENTER ELEMENTS OF ARRAY
4 2 -8 3 2
```

OUTPUT:

```
MAXIMUM SUM OF SUBARRAY IS 6

ARRAY IS :-
4 2
○ time taken : 7.085 secs
PS C:\Users\somsi\ada_lab\lab_5> |
```