STUDENT PORTFOLIO



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Department: Data Science and Business Systems

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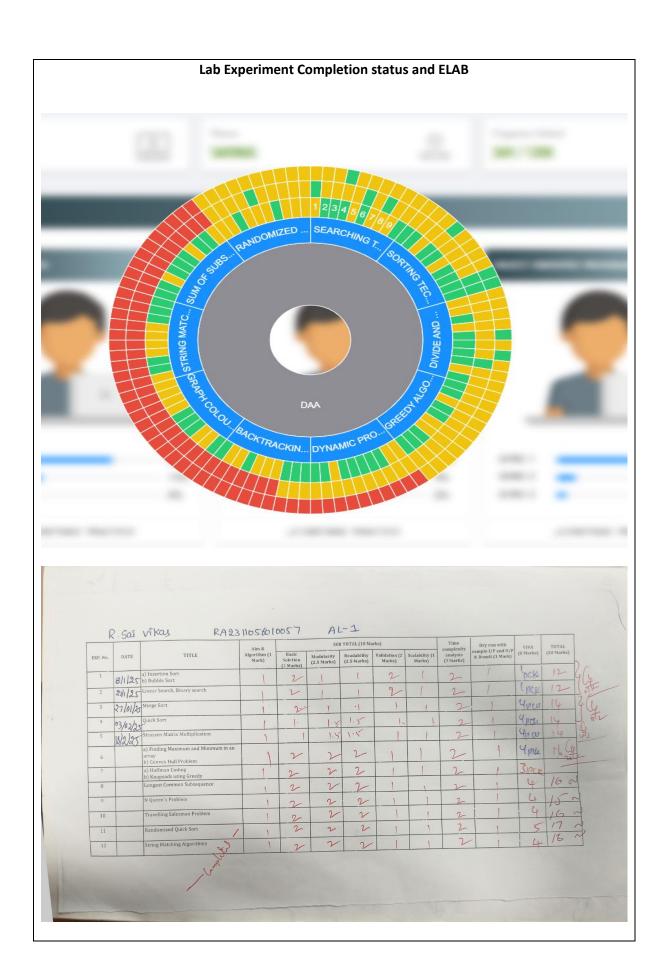
E-Lab Completion Status Circle of Execution Explanation of at least one program

Algorithm -

- Read all intervals as (start, end) pairs.
- Sort the intervals by their end times in ascending order.
- Initialize:
 - count = 0 (to keep track of the number of selected intervals)
 - last_end_time = 0 (to store the end time of the last selected interval)
- Iterate over the sorted intervals:
 - o If the current interval's start time is after last_end_time:
 - Select this interval.
 - o Increment count.
 - Update last_end_time to the current interval's end time.
- Return count as the result.

Code:

```
#include<bits/stdc++.h>
using namespace std;
int n,l,z;
pair<int,int> a[500020];
int main(){
  cin>>n;
  for(int i=0;i<n;i++){
    cin>>a[i].second>>a[i].first;
  }
  sort(a,a+n);
  for(int i=0;i<n;i++){
    if(I<a[i].second){
       Z++;
       l=a[i].first;
    }
  }cout<<z;</pre>
  return 0;
}
```



REAL WORLD APPLICATION IN DAA PPT VR/SIMULATION DEMO					
https://docs.google.com/presentation/d/1fQFvfHamXple9QW8uMUt4np_oApMcD6i/edit?usp=					
sharing&ouid=116104830964058561503&rtpof=true&sd=true					
NPTEL/HOTS Questions Solution.					
Any other					
(Write if you registered or practise apart from Hackerrank, Leetcode, Github.etc					
Eg: Certification Programs related to DAA)					
Competitions Won related to DAA					
·					
Any Presentations done for DAA with proof and explanation					
https://docs.google.com/presentation/d/1fQFvfHamXple9QW8uMUt4np_oApMcD6i/edit?usp=					
<u>sharing&ouid=116104830964058561503&rtpof=true&sd=true</u>					