

Department of Computer Science and Engineering

Faculty of Engineering, University of Moratuwa

CS2022 - Data Structures and Algorithms

B. Sc. Engineering Semester 2

Programming Project: Sample Input Outputs

1 Case 1

1.1 Contents of the File "Input.txt"

Keyword Lis	Keyword List Start	
Bubble	3	
Merge	1	
Heapsort	1	
Неар	1	
Sort	2	
Greedy	2	
Complexity	2	
game	3	
sort	1	
Keyword Lis	Keyword List End	
Queries Star	Queries Start	
First heap		
List sort		
List Bubble		
Keywords 1		
Keywords 2		
Queries End		

1.2 Output of the Program

Should be "1" not "3"

Heap Heapsort Merge sort Complexity Greedy Sort

2.1 Contents of the File "Input.txt"

Keyword List Start	
Sort	3
Search	1
tree	1
graph	1
stack	1
Sort	2
tree	2
queue	2
list	3
sort	1
search	3
Keyword List End	
Queries Start	
First Sort	
First list	
List sort	
List list	
Keywords 1	
Keywords 2	
First edge	
List Vertex	
Keywords 5	
Queries End	

2.2 Output of the Program

```
1
3
1 2 3
3
Graph Search Sort Stack Tree
Queue Sort Tree
Invalid Keyword
Invalid Keyword
Invalid Page Number
```