



Department of Statistics & Computer Science
University of Kelaniya
Academic Year 2022/2023
COSC 21063/ BECS 21223
Data Structures and Algorithms
Lab Sheet 06

01)

Student Number	Name	Gender	Grade
PS/2014/034	Supun	M	A
PS/2014/345	Nuwan	M	B
PS/2014/098	Dasuni	F	B
PS/2014/019	Kasun	M	A
PS/2014/109	Nipuni	F	D
PS/2014/237	Binura	M	A
PS/2014/200	Ruwani	F	C
PS/2014/056	Hasini	F	C
PS/2014/296	Kusal	M	B
PS/2014/127	Pawan	M	A

Using the above information write a Java program to accomplish the following.

- i. Input above Student's details and display them.
- ii. Sort the details according to their grade and display them.
- iii. Search the details of a student when the grade (If there are more than one, print all) is given.

Use binary search and sort the table according to the grade using Bubble sort.

Use binary search and sort the table according to the grade using Selection sort.

Use binary search and sort the table according to the grade using Insertion sort.