Student management system – using data structures

Data structures concepts used

* Linked list -Store the details of students
* Stack – for undo and redo options
* Bubble sort – sorting student marks to show rank

Options in student management system

* Add
* Delete
* Modify
* Display rank list
* Search student
* Search for blood group

PROBLEM DEFINITION

To create a student record management system that can perform certain operations using data structures

Contents of the record

* Roll number
* Name
* Class
* Tutor name
* Address
* Contact number
* Marks
* Percentage
* Grade
* Blood group

Operations performed

1. Create and insert a record into list

2.Delete a record

3.Modify a record

4.Search and display a record

5.Displaying all the records in list

6.Displaying the students details having same blood group

7.Displaying the rank list of the students

Read the ppt to know more