ASSIGNMENT 8: Structure and Union

1. Declare a structure to store data for student information. The structure contains roll number, name, marks for students. Write a program to accept information of student from user and print the same.
2. Write a function to accept student information from the user. Write another function to print student's information. Re-use these functions in rest of the assignments wherever required.
3. Write a function to accept array of student's information from the user. Write another function to print the array student's information. Re-use these functions in rest of the assignments wherever required.
4. Write a function to search student's information by roll number. Write another function to search student's information by name. (linear search)
5. Write a function to sort array of student's information by roll number. Write another function to sort student's information by name.
6. Write a structure to store school student information. The student result is one of the members of this information. Note that till 4th standard school follows grade scheme (A / B / C) and after 4th standard it follows percentage pattern. Accept the information of 3 students from the user and display it again.
7. Write a structure to store school student information. Note that assuming the records are maintained till 12th standard student, standard field do not occupy more than 4 bits. Also student gender can be stored as a single bit. Consider age to be maximum 32 years. Accept the information of 3 students from the user and display it again.