* **Output**

Enter number of students:3

-----Student1----

Roll\_no.:102

Name:

abc abc abc

Enter marks of 5 subjects:

\*\*Subject 1:\*\*

Credit:5

Grade:

9

\*\*Subject 2:\*\*

Credit:4

Grade:

8

\*\*Subject 3:\*\*

Credit:3

Grade:

7

\*\*Subject 4:\*\*

Credit:5

Grade:

9

\*\*Subject 5:\*\*

Credit:4

Grade:

8

-----Student2----

Roll\_no.:102

Roll number should be unique

Roll\_no.:103

Name:

xyz xyz xyz

Enter marks of 5 subjects:

\*\*Subject 1:\*\*

Credit:4

Grade:

9

\*\*Subject 2:\*\*

Credit:3

Grade:

8

\*\*Subject 3:\*\*

Credit:4

Grade:

9

\*\*Subject 4:\*\*

Credit:2

Grade:

8

\*\*Subject 5:\*\*

Credit:4

Grade:

9

-----Student3----

Roll\_no.:101

Name:

pqr pqr pqr

Enter marks of 5 subjects:

\*\*Subject 1:\*\*

Credit:4

Grade:

9

\*\*Subject 2:\*\*

Credit:4

Grade:

9

\*\*Subject 3:\*\*

Credit:4

Grade:

9

\*\*Subject 4:\*\*

Credit:4

Grade:

9

\*\*Subject 5:\*\*

Credit:3

Grade:

8

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:1

-------------------------------------------------------------

SrNo Roll No Name SGPA

1 102 abc abc abc 8

2 103 xyz xyz xyz 8

3 101 pqr pqr pqr 8

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:2

-------------------------------------------------------------

Pass 1:

1 102 abc abc abc 8

2 101 pqr pqr pqr 8

3 103 xyz xyz xyz 8

Pass 2:

1 101 pqr pqr pqr 8

2 102 abc abc abc 8

3 103 xyz xyz xyz 8

Pass 3:

1 101 pqr pqr pqr 8

2 102 abc abc abc 8

3 103 xyz xyz xyz 8

List sorted successfully

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:3

-------------------------------------------------------------

Pass 1:

1 102 abc abc abc 8

2 101 pqr pqr pqr 8

3 103 xyz xyz xyz 8

Pass 2:

1 102 abc abc abc 8

2 101 pqr pqr pqr 8

3 103 xyz xyz xyz 8

Sorted Successfully

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:4

-------------------------------------------------------------

Pass 0:

1 103 xyz xyz xyz 8

2 102 abc abc abc 8

3 101 pqr pqr pqr 8

Sorted Successfully

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:5

-------------------------------------------------------------

Enter SGPA to be search:7

No student with SGPA 7 found

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:5

-------------------------------------------------------------

Enter SGPA to be search:8

1 103 xyz xyz xyz 8

2 102 abc abc abc 8

3 101 pqr pqr pqr 8

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:6

-------------------------------------------------------------

Pass 1:

1 102 abc abc abc 8

2 103 xyz xyz xyz 8

3 101 pqr pqr pqr 8

Pass 2:

1 102 abc abc abc 8

2 101 pqr pqr pqr 8

3 103 xyz xyz xyz 8

Enter search key:xyz xyz xyz

3 103 xyz xyz xyz 8

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:7

-------------------------------------------------------------

Pass 0:

1 103 xyz xyz xyz 8

2 102 abc abc abc 8

3 101 pqr pqr pqr 8

Enter number of toppers to be display:2

3 101 pqr pqr pqr 8

2 102 abc abc abc 8

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:7

-------------------------------------------------------------

Pass 0:

1 101 pqr pqr pqr 8

2 103 xyz xyz xyz 8

3 102 abc abc abc 8

Enter number of toppers to be display:3

3 102 abc abc abc 8

2 103 xyz xyz xyz 8

1 101 pqr pqr pqr 8

------------------------------------------------------------

1:Display

2:Sort list according to roll number

3:Sort list alphabetically

4:Sort with SGPA

5:Search student with SGPA

6:Search student according to name

7:Display toppers

8:Exit

Enter choice:8

-------------------------------------------------------------

Thank You