**Algorithm 1**

1. Start

2. Reading csv file.

3. Sort the file in descending order.

4. Sort the file in ascending order.

5. Displaying the top 10 highest and lowest marks obtained by the students.

System.out.println("Top Ten Lowest Marks");

ArrayList<Double> higestMarks = new ArrayList<>();

for(AssignmentTwo l:list){

higestMarks.add(l.getTotalMarks());

}

Collections.sort(higestMarks);

for(int i = 0; i < 10; i++){

System.out.println(higestMarks.get(i));

}

System.out.println("Top Ten Highest Marks");

for(int i = higestMarks.size() - 1; i > higestMarks.size()-11; i--){

System.out.println(higestMarks.get(i));

}

6. End.

**Algorithm 2**

1. Start

2. Displaying the main menu

System.out.println("\nSelect the menu"+

"\n 1. Enter 1 to display student information and assignment marks"+

"\n 2. Enter 2 to display total marks of all students assignment"+

"\n 3. Enter 3 to display the list of students with the total marks less than certain threshold"+

"\n 4. Enter 4 to display the 10 highest and the 10 lowest Student marks"+

"\n 5. Enter 0 to exit the menu\n"

);

3. Using Scanner for input

Scanner option = new Scanner(System.in);

4. Writing switch operations for each task.

5. Displaying the respective function as per the provided numerical value.

5. Closing the file if the user enter 0 as the input value.

6. End.