CSC 113

HOMEWORK 1

PRIMITIVE ARRAYS

Write a program by using a class with the following specifications:

Class name — Student

Instance variables:

1. String name
2. int age
3. int [] Marks

Member Methods:

1. boolean addMark (int value): adds a mark to the array Marks and returns true or false
2. boolean deleteMark(int pos): deletes a mark from the array and returns true or false
3. int searchMark(int value): search for a mark and returns the position.
4. display(): display all the information of the object
5. int MaximumMark(): returns the maximum mark
6. int MinimumMark(): returns the minimum mark
7. minMaxMark(): displays the minimum and the maximum mark
8. int countFequency(): counts and returns the number of times the mark is zero
9. double AverageMark(): counts and returns the average mark
10. sortMarks(): sorts the array Marks in the ascending order

Write a class containing a main method to execute your program. The main method should contain a menu.

MENU

1. **addMark**
2. **deleteMark**
3. **searchMark**
4. **display()**
5. **MaximumMark**
6. **MinimumMark**
7. **MinMaxMark**
8. **countFequency**
9. **AverageMark**
10. **sortMarks**
11. **Exit**