**QUESTION1.**

A **palindrome** is a word, phrase, number or other sequence of units that has the property of reading the same word in either direction

Write a function, isPalindrome(char[] s) which will return true if the characters in the array forms a palindrome.

example:

char[] pal = new char[]{'A','R','M','R','A'};

isPalindrome(pal)-->returns true.

char[] pal = new char[]{'A','R','M','A'};

isPalindrome(pal)-->returns false.

**QUESTION2.**

Overload isPalindrome() so that it works with int array also in the same manner. (isPalindrome(char[] s))

**QUESTION3.**

Write a function gradeStat(int x, int y) that will create a **x\*y** array to keep **x** number of students grades for **y** courses. The function should input grades from the user in the following manner.

1. It will prompt the user:

Enter grades:

for each of the students.

2. It will continue prompting until all grades of **x** students are taken.

3. For each student the user will enter **y** number of grades. Assume that, correct number of grades are entered. You have a clever user.

4. After all grades are taken, output the average, max, min grades for each of the **y** courses.

5. You will take **x** and **y** from the command line. You will call gradeStat () from main() directly without creating an instance.