COL216 REPORT

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•Basically in my code I have used Angel Instructions set plugin.

•I have used fgets and made a user to give the input from the ARMSim console ., I didn't use the reading and writing file in this assignment

•In the console we have to give string1 and it confirms by giving output "I have saved ur string"

•and continuation give the string2 .

•It will compare the two strings in dictionary order and

prints out Yes true ,first string >= second string

* It will print No false ,first string <= second string in the other case

Both are psuedo codes i have used in the two cases :

```
int i = 0;
while (a[i] != '\0' && b[i]!='\0') {

        if (a[i] > b[i]) {

                return 1;

        }else if (a[i] < b[i]) {

                return 0;

        }else {

                i++;

        }

    }
if (i == a.length) {

        return 0;

    }else {

        return 1;

    }
```

```
}


2)public int compare(char[] a, char[] b, int type) {

        int i = 0;

        while (a[i] != '\0' && b[i]!='\0') {

                int x = a[i];
                int y = b[i];

                if (type == 0) {//case-insensitive
                        if (x>=97 && x<=122) {
                                x = x - 32;
                        }

                        if (y>=97 && y<=122) {
                                y = y - 32;
                        }
                }
                if (x > y) {
                        return 1;
                }else if (x < y) {
                        return 0;
                }else {
                        i++;
                }
        }

        if (a[i] == '\0') {
                return 0;
        }else {
                return 1;
        }
```