

Assignment #1

Sr. No	Web Link of Question
1	https://www.hackerrank.com/challenges/recursion-in-c/problem?isFullScreen=true
2	https://www.hackerrank.com/challenges/students-marks-sum/problem?isFullScreen=true
3	https://www.hackerrank.com/challenges/reverse-array-c/problem?isFullScreen=true
4	https://www.hackerrank.com/challenges/dynamic-array-in-c/problem?isFullScreen=true
5	https://www.hackerrank.com/challenges/sorting-array-of-strings/problem?isFullScreen=true

Deadline: 06/03/2023 EOD

Note: All registered students need to mention their score (Points) and upload screenshot of every question after its submission in the form which will be circulated by department CodeGym coordinator.

Sample Screenshot:

The screenshot shows the HackerRank interface for the 'Playing With Characters' challenge. On the left, the 'Problem' section explains the task: taking a single character 'ch' as input and printing it. A code snippet is provided: `char ch; scanf("%c", &ch); printf("%c", ch);`. The 'Submissions' section shows the user's code and a message: 'This piece of code prints the character **ch**. You can take a string as input in C using `scanf("%s", s)`. But, it accepts string only until it finds the first space. In order to take a line as input, you can use `scanf("%[^\n]%*c", s);` where `s` is defined as `char s[MAX_LEN]` where `MAX_LEN` is the maximum size of `s`. Here, `[]` is the scanset character. `^\n` stands for taking input until a newline isn't encountered. Then, with this `%*c`, it reads the newline character and here, the used `*` indicates that this newline character is discarded. Note: The statement: `scanf("%[^\n]%*c", s);` will not work

The code editor on the right shows the following C code:

```
15 fflush(stdin);
16 printf("\n%s", s);
17 printf("\n%s", sen);
18     return 0;
19 }
```

Below the code editor, there are buttons for 'Upload Code as File', 'Test against custom input', 'Run Code', and 'Submit Code'. A notification banner states: 'You have earned 5.00 points! You are now 5 points away from the 1st star for your c badge.' A progress bar shows 67% completion. At the bottom, a green banner says 'Congratulations You solved this challenge. Would you like to challenge your friends?' with a 'Next Challenge' button.