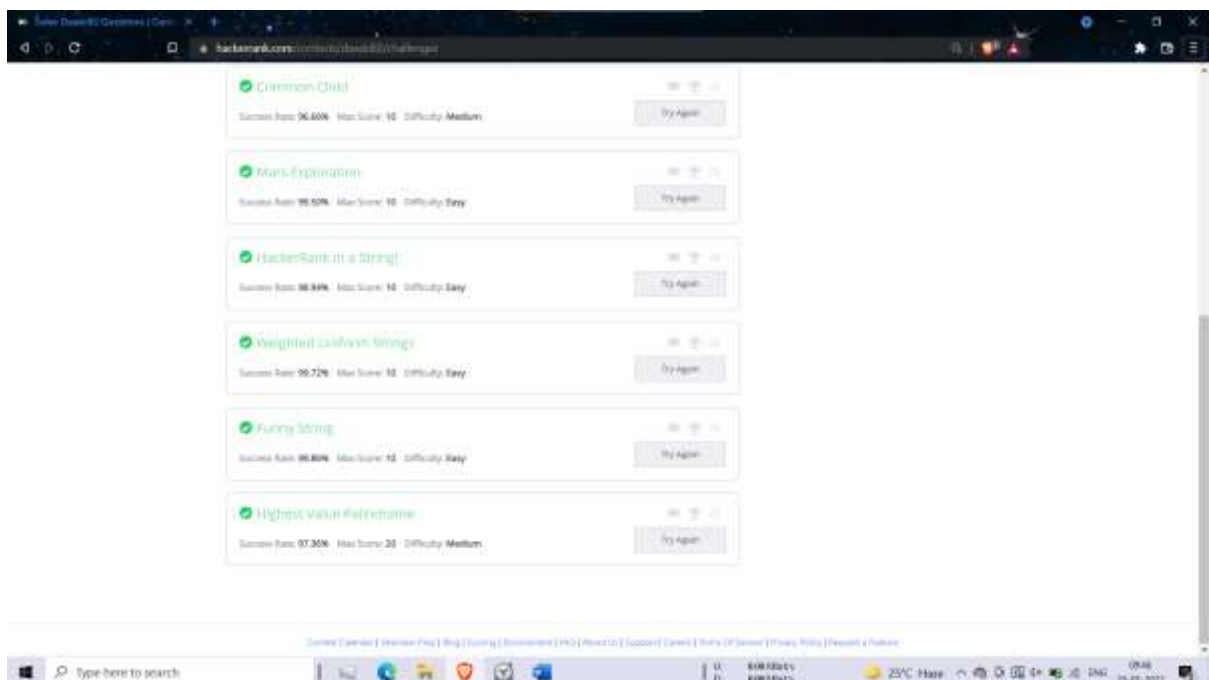
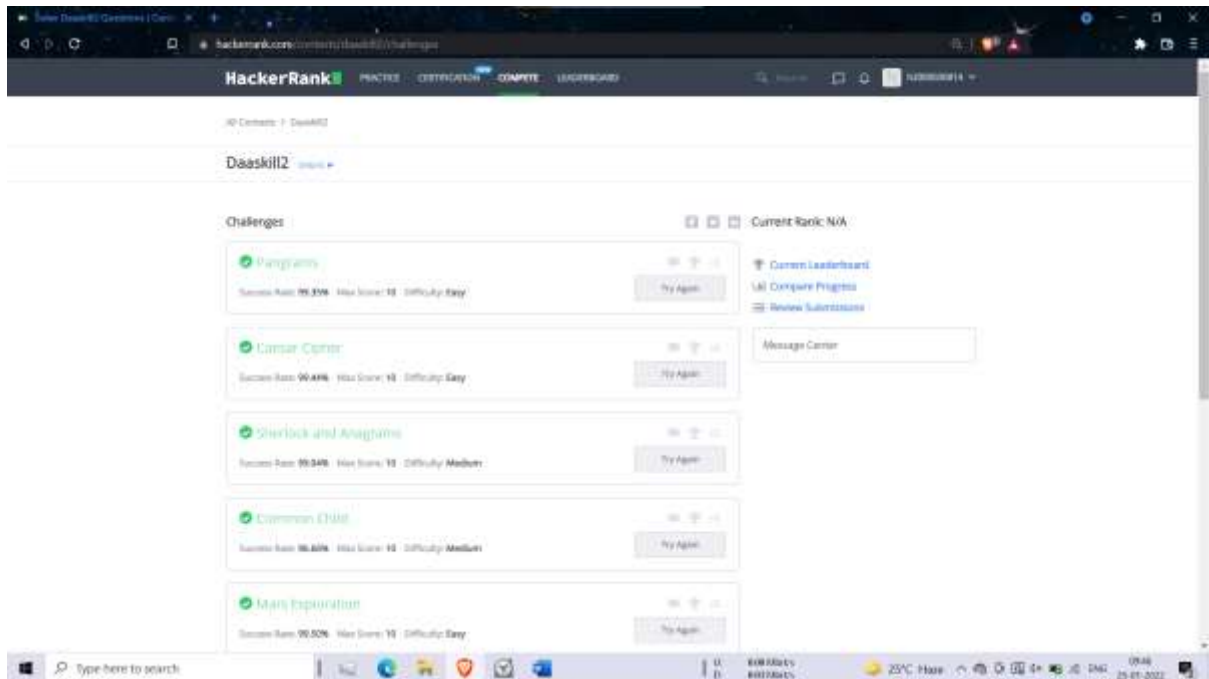


DAA SKILL 2

2000030814

POORNA SASANK VANDANAPU

TEACHER : NAGA LAKSHMI MAM



Programs Submission #1447211

HackerRank PRACTICE CERTIFICATION COMPLETE LEADERBOARD

30 Contests · 7 Danks · 0 Followers

Pangrams

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8

Submitted Code

```
language java 7
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
8         try (Scanner sc = new Scanner(System.in)) {
9             String line = sc.nextLine();
10             String lower = line.toLowerCase();
11             lower = lower.replace(" ", "");
12             Set<Character> chars = new HashSet<Character>();
13             for (int i = 0; i < lower.length(); i++) {
14                 chars.add(lower.charAt(i));
15             }
16             if (chars.size() == 26) {
17                 System.out.println("Pangram");
18             } else {
19                 System.out.println("Not a pangram");
20             }
21         }
22     }
23 }
```

Caesar Cipher

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10	✓	Test Case #11

Submitted Code

```
language java 7
1 import java.util.Scanner;
2
3 public class CaesarCipher {
4
5     public static void main(String[] args) {
6         Scanner in = new Scanner(System.in);
7         int n = in.nextInt();
8         String s = in.next();
9         int k = in.nextInt() % 26;
10         String str = "";
11         for (int i = 0; i < s.length(); i++) {
12             str = str + getUpdatedChar(s.charAt(i), k);
13         }
14         System.out.println(str);
15     }
16
17     static char getUpdatedChar(char ch, int increment) {
18         if (Character.isLetter(ch)) {
19             char c = Character.toUpperCase(ch);
20             int index = c - 'A';
21             index = (index + increment) % 26;
22             char upChar = (char) (index + 'A');
23             if (Character.isLowerCase(ch)) {
24                 char c2 = Character.toLowerCase(c);
25                 return c2;
26             } else {
27                 return upChar;
28             }
29         } else {
30             return ch;
31         }
32     }
33 }
```

hackerank.com/contests/track80/submissions/sherlock-and-anagrams/submissions/caps/1340738218

Sherlock and Anagrams

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓ Test Case #0	✓ Test Case #1	✓ Test Case #2
✓ Test Case #3	✓ Test Case #4	✓ Test Case #5
✓ Test Case #6		

Submitted Code

```
Language: java 7
1 import java.util.HashMap;
2 import java.util.Map;
3 import java.util.Scanner;
4
5 public class SherlockAndAnagrams {
6     public static void main(String[] args) {
7         Scanner stdin = new Scanner(System.in);
8         int tests = Integer.parseInt(stdin.nextLine());
9         for (int i = 0; i < tests; i++) {
10             String string = stdin.nextLine();
11             int result = 0;
12         }
13     }
14 }
```

hackerank.com/contests/track80/submissions/common-child/submissions/caps/1340738218

Common Child

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓ Test Case #0	✓ Test Case #1	✓ Test Case #2
✓ Test Case #3	✓ Test Case #4	✓ Test Case #5
✓ Test Case #6	✓ Test Case #7	✓ Test Case #8
✓ Test Case #9	✓ Test Case #10	✓ Test Case #11
✓ Test Case #12	✓ Test Case #13	✓ Test Case #14

Submitted Code

```
Language: java 7
1 import java.util.Scanner;
2 public class CommonChild {
3     static int commonChild(String s1, String s2) {
4         return LCSM(s1.toCharArray(), s2.toCharArray(), s1.length(), s2.length());
5     }
6     public static int LCSM(char[] s1, char[] s2, int m, int n) {
7         int memo[] = new int[m + 1];
8         for (int i = 1; i <= m; i++) {
9             int prev = 0;
10             for (int j = 1; j <= n; j++) {
11                 if (s1[i - 1] == s2[j - 1]) {
12                     memo[i] = Math.max(memo[i], prev + 1);
13                 } else {
14                     memo[i] = Math.max(memo[i], memo[i - 1]);
15                 }
16                 prev = memo[i];
17             }
18         }
19         return memo[m];
20     }
21 }
```

Mars Exploration Submission (P)

hackerank.com/contests/144002/submissions/hackerank/mars-exploration/code/14070002

HackerRank PRACTICE CERTIFICATION COMPLETE LEADERBOARD

AD Context: 7 Days Ago 3 Mars Exploration

Mars Exploration

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10	✓	Test Case #11

Submitted Code

```
1 //language: java
2
3 import java.util.Scanner;
4
5 public class MarsExploration {
6
7     public static void main(String[] args) {
8         Scanner in = new Scanner(System.in);
9         String s = in.next();
10
11         int len = s.length();
12         for (int i = 0; i < len; i++) {
13             if (s.charAt(i) != 'X') {
14                 continue;
15             }
16             if (i % 3 == 0) {
17                 continue;
18             }
19             if (i % 3 == 1) {
20                 continue;
21             }
22             if (i % 3 == 2) {
23                 continue;
24             }
25             System.out.println("Error at index: " + i);
26         }
27     }
28 }
```

Mars Exploration Submission (P)

hackerank.com/contests/144002/submissions/hackerank/mars-exploration/code/14070002

HackerRank PRACTICE CERTIFICATION COMPLETE LEADERBOARD

AD Context: 7 Days Ago 3 Mars Exploration

Mars Exploration

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10	✓	Test Case #11

Submitted Code

```
1 //language: java
2
3 import java.util.Scanner;
4
5 public class MarsExploration {
6
7     public static void main(String[] args) {
8         Scanner in = new Scanner(System.in);
9         String s = in.next();
10
11         int len = s.length();
12         for (int i = 0; i < len; i++) {
13             if (s.charAt(i) != 'X') {
14                 continue;
15             }
16             if (i % 3 == 0) {
17                 continue;
18             }
19             if (i % 3 == 1) {
20                 continue;
21             }
22             if (i % 3 == 2) {
23                 continue;
24             }
25             System.out.println("Error at index: " + i);
26         }
27     }
28 }
```

HackerRank in a String! Submission (P)

hackerank.com/contests/144002/submissions/hackerank/hackerank-in-a-string/code/14070003

HackerRank PRACTICE CERTIFICATION COMPLETE LEADERBOARD

AD Context: 7 Days Ago 3 HackerRank in a String

HackerRank in a String!

Submitted 7 days ago · Score: 10.00 Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9	✓	Test Case #10	✓	Test Case #11

Submitted Code

```
1 //language: java
2
3 import java.util.Scanner;
4
5 public class Solution {
6
7     public static void main(String[] args) {
8         Scanner in = new Scanner(System.in);
9         int q = in.nextInt();
10         for (int i = 0; i < q; i++) {
11             String s = in.next();
12             String h = "hacker";
13             int count = 0;
14             for (int j = 0; j < h.length(); j++) {
15                 if (s.charAt(j) == h.charAt(j)) {
16                     count++;
17                 }
18             }
19             System.out.println(count);
20         }
21     }
22 }
```

The screenshot shows the HackerRank 'Funny String' challenge page. The problem description states: 'In this challenge, you will determine whether a string is funny or not. To determine whether a string is funny, create a copy of the string in reverse i.e. `abc` → `cbA`. Traversing through each string, compare the absolute difference in the `ASCII` values of the characters at positions 0 and 1, 1 and 2 and so on to the end. If the list of absolute differences is the same for both strings, they are funny.

Determine whether a given string is funny. If it is, return `Funny`, otherwise return `Not Funny`.

Example
`s = "laxaz"`

The ordinal values of the characters are `[108, 109, 110, 111, 112]`, `Reverse = "zaxal"` and the ordinals are `[113, 111, 110, 109, 108]`. The absolute differences of the adjacent elements for both strings are `[1, 1, 1, 1]`, so the answer is `Funny`.

Function Description
 Complete the `funnyString` function in the editor below.

`funnyString` has the following parameter(s):

- `s`: a string to test.

Returns

- String either `Funny` or `Not Funny`.

Input Format