

## REC-CIS

The string **abaca** can be converted to **bcdba** in one move and to **cdaba** in the next move.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<string.h>
3
4 int main()
5 {
6     char str1[1000000], str2[1000000];
7     int flag = 1;
8     scanf("%s", str1);
9     scanf("%s", str2);
10    int a = strlen(str1);
11    int b = strlen(str2);
12
13    if (a == b)
14    {
15        for (int i = a - 1; i >= 0; i--)
16        {
17            while (str1[i] != str2[i])
18            {
19                for (int j = 0; j <= i; j++)
20                {
21                    if (str1[j] <= 'z')
22                        str1[j]++;
23                    else
24                    {
25                        flag = 0;
26                        break;
27                    }
28                }
29                if (flag == 0)
30                    break;
```

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### REC-CIS

```
21         if (str1[j] <= 'z')
22             str1[j]++;
23         else
24         {
25             flag = 0;
26             break;
27         }
28     }
29     if (flag == 0)
30         break;
31 }
32 }
33 }
34 else
35     flag = 0;
36
37 if (flag == 0)
38     printf("NO");
39 else
40     printf("YES");
41
42 return 0;
43 }
```

	Input	Expected	Got	
✓	abaca	YES	YES	✓
	cdhda			

Passed all tests! ✓

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REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     int n, flag=0;
6     char temp;
7     scanf("%d", &n);
8     char words[n][14];
9     for(int i=0; i<n; i++)
10         scanf("%s", words[i]);
11     char reverse[14];
12     for(int i=0; i<n-1; i++)
13     {
14         strcpy(reverse, words[i]);
15         int size = strlen(reverse);
16
17         for(int k=0; k<size/2; k++)
18         {
19             temp = reverse[k];
20             reverse[k] = reverse[size-k-1];
21             reverse[size-k-1] = temp;
22         }
23         for(int j=i+1; j<n; j++)
24         {
25             if(strcmp(reverse, words[j]) == 0)
26             {
27                 flag = 1;
28                 break;
29             }
30         }
31         if(flag == 1)
32             break;
33     }
```

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REC-CIS

```
29     }  
30     }  
31     if(flag == 1)  
32         break;  
33 }  
34 int len = strlen(reverse);  
35 printf("%d %c\n", len, reverse[len/2]);  
36 return 0;  
37 }
```

	Input	Expected	Got	
✓	4 abc def feg cba	3 b	3 b	✓

Passed all tests! ✓

Question 3

Correct

Marked out of  
1.00

Flag question

Joey loves to eat Pizza. But he is worried as the quality of pizza made by most of the restaurants is deteriorating. The last few pizzas ordered by him did not taste good :( Joey is feeling extremely hungry and wants to eat pizza. But he is confused about the restaurant from where he should order. As always he asks Chandler for help.

## REC-CIS

```
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     int n;
6     scanf("%d", &n);
7     char res[n][21];
8     int rate[n];
9     for(int i = 0; i < n; i++)
10     {
11         scanf("%s", res[i]);
12         scanf("%d", &rate[i]);
13     }
14     int max = rate[0];
15     char ans[20];
16     strcpy(ans, res[0]);
17     for(int i = 1; i < n; i++)
18     {
19         if(rate[i] > max)
20         {
21             max = rate[i];
22             strcpy(ans, res[i]);
23         }
24         else if(rate[i] == max)
25         {
26             if(strcmp(res[i], ans) < 0)
27                 strcpy(ans, res[i]);
28         }
29     }
30     printf("%s", ans);
31     return 0;
32 }
```

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REC-CIS

```
26         if(strcmp(res[i], ans) < 0)
27             strcpy(ans, res[i]);
28     }
29 }
30 printf("%s", ans);
31 return 0;
32 }
```

	Input	Expected	Got	
✓	3	Domino	Domino	✓
	Pizzeria 108			
	Domino 145			
	Pizzapizza 49			

Passed all tests! ✓

Question 4

Correct

Marked out of 1.00

Flag question

These days Bechan Chacha is depressed because his crush gave him list of mobile number some of them are valid and some of them are invalid. Bechan Chacha has special power that he can pick his crush number only if he has valid set of mobile numbers. Help him to determine the valid numbers.

You are given a string "S" and you have to determine whether it is Valid mobile number or not. Mobile number is valid only if it is of length 10 , consists of numeric values and it shouldn't have prefix zeroes.

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REC-CIS

YES  
NO  
NO

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main() {
5     int t;
6     scanf("%d", &t);
7     while (t--) {
8         int flag = 1;
9         char s[100000];
10        scanf("%s", s);
11        int k = strlen(s);
12
13        if (k == 10) {
14            for (int i = 0; i < 10; i++) {
15                if (s[i] == '0') {
16                    flag = 0;
17                    break;
18                }
19                if (s[i] < '0' || s[i] > '9') {
20                    flag = 0;
21                    break;
22                }
23            }
24        } else {
25            flag = 0;
26        }
27    }
```

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REC-CIS

```
23     }
24 } else {
25     flag = 0;
26 }
27
28 if (flag == 1) {
29     printf("YES\n");
30 } else {
31     printf("NO\n");
32 }
33 }
34 return 0;
35 }
```

	Input	Expected	Got	
✓	3	YES	YES	✓
	1234567890	NO	NO	
	0123456789	NO	NO	
	0123456.87			

Passed all tests! ✓

Finish review

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23:36

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ENG