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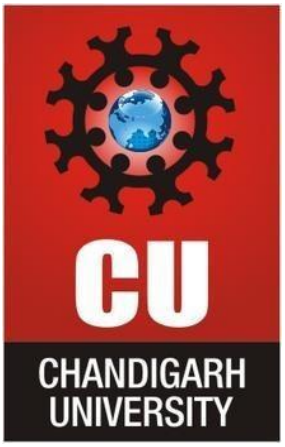

Submitted By: Lipakshi	**Submitted To:** Santosh Kumar
Subject Name	COMPETITIVE CODING-I
Subject Code	20CSP-314
Branch	Computer Science
Semester	5th

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Department of Computer Science & Engineering

Subject Name: COMPETITIVE CODING-I

Subject Code: 20CSP-314

Submitted to:

Faculty name: Santosh Kumar

Submitted by:

Name: Lipakshi

UID: 20BCS5082

Section: 607

Group: B

Ex. No	List of Experiments	Date	Conduct (MM: 12)	Viva (MM : 10)	Record (MM: 8)	Total (MM: 30)	Remarks/Signature
1.1	Arrays: To implement the concept of Dynamic Array.	23-08-2022					
1.2	Queues and Stack: To implement the concept of Stack and Queues	01-09-2022					
1.3	Demonstrate the concept of Linked List	01-09-2022					
1.4	Sorting and Searching: Implement the concept of Searching and Sorting techniques.	08-09-2022					
2.1	To demonstrate the Concept of Graph	21-09-2022					
2.2	To demonstrate the Concept of Tree	25-10-2022					
2.3	To demonstrate the Concept of String	25-10-2022					
3.1							
3.2							
3.3							

Experiment 2.3

1. **Aim/Overview of the practical:** To demonstrate the Concept of String

Problem 1:

https://www.hackerrank.com/challenges/pangrams/problem?isFullScreen=true

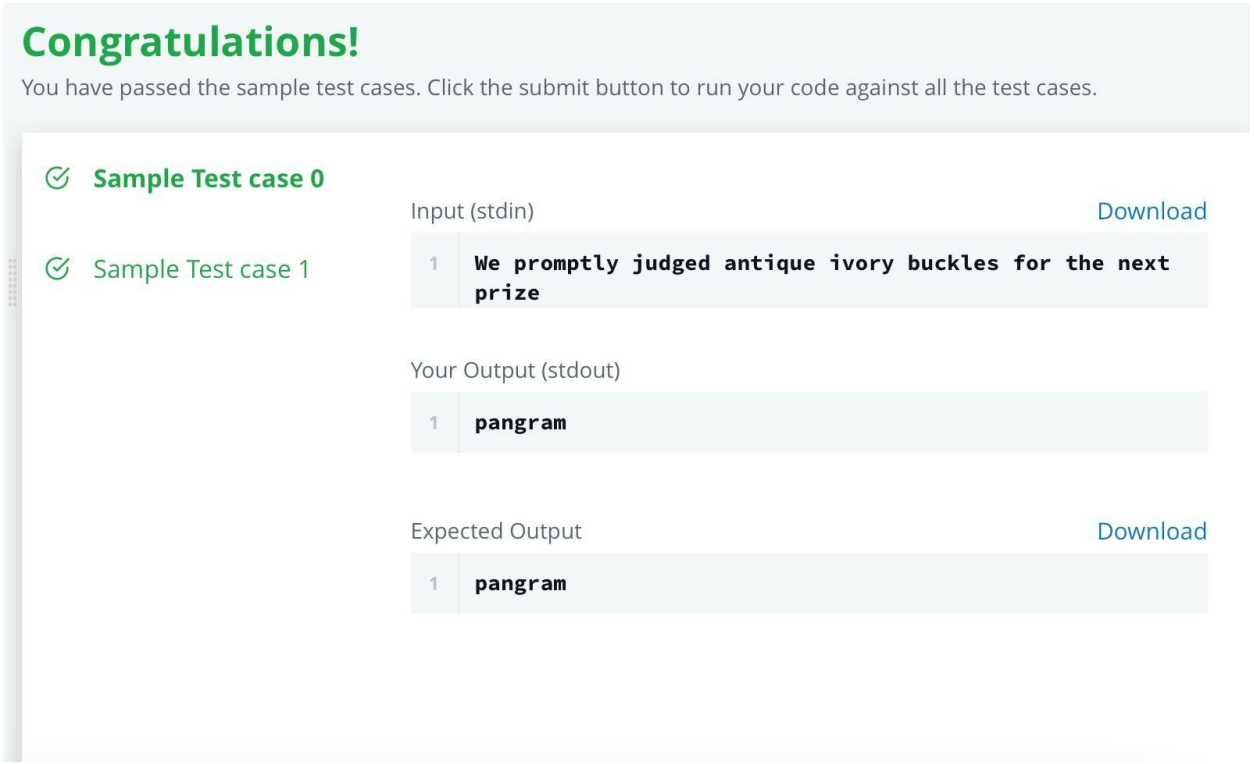
2. Program Code:

```
#include <bits/stdc++.h>
using namespace std;
int main()
{
   string a; getline(cin, a);map <char,int>
   he; for (int g=0;g<a.length(); g++)
   {
      if (a[g]>='A' && a[g]<='Z')
      {
         a[g]=char(a[g]-'A'+'a');
         he[a[g]]++;
      }
      if (a[g]>='a' && a[g]<='z')
      {
         he[a[g]]++;
```

```
    }
  }
  for (int g=0; g<26; g++)
  {
    if (!he[char('a'+g)])
    {
      cout << "not pangram"; return 0;
    }
  }cout << "pangram";
  return 0;

}
```

4. Result/Output/Writing Summary:



2. Problem 2:

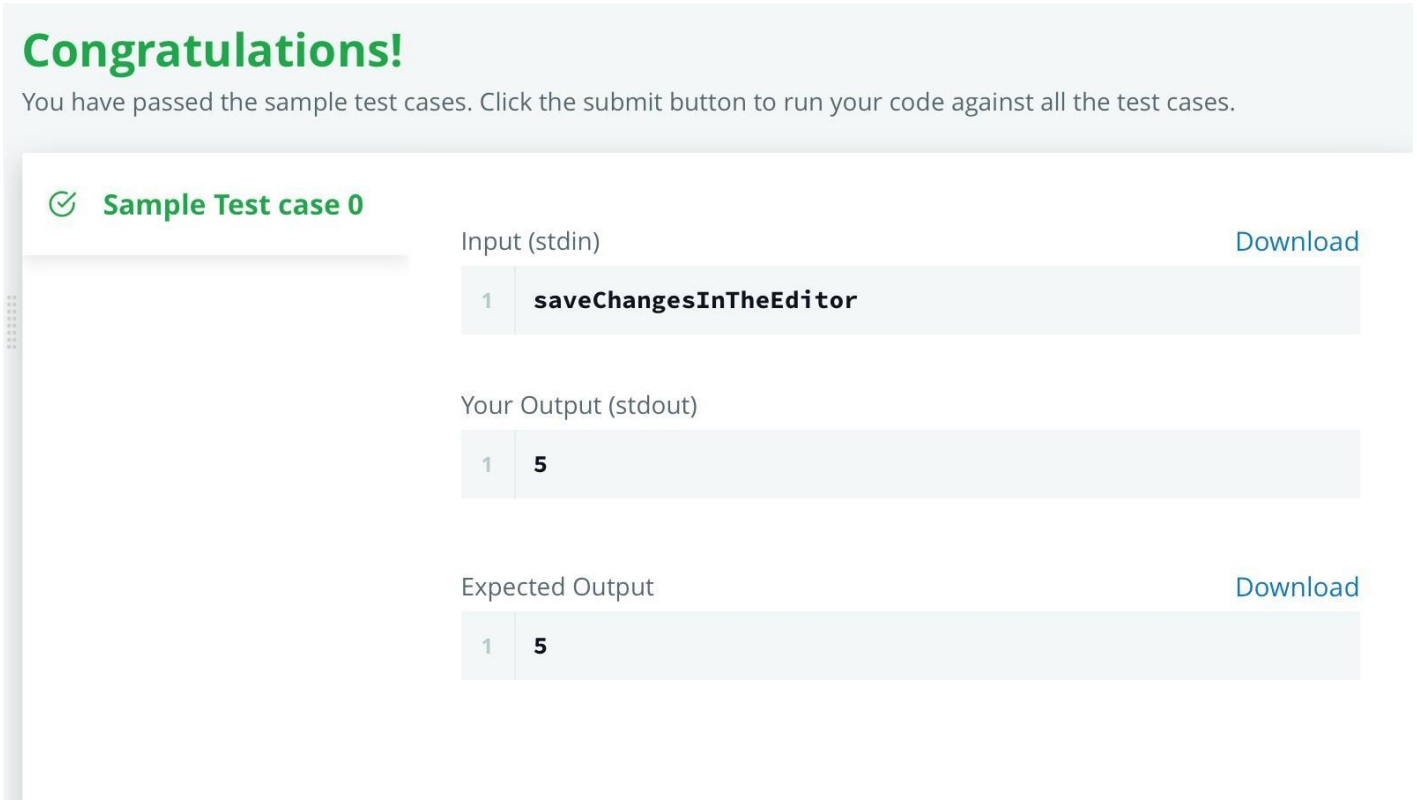
https://www.hackerrank.com/challenges/camelcase/problem?isFullScreen=true

2. Program Code:

```
#include <bits/stdc++.h>
using namespace std;
typedef long ll;
typedef unsigned long ull;
typedef pair<int, int> ii;

int main() {
    string s;
    cin>>s;
    int count = 1;
    for (const char c : s) {
        if (c >= 'A' && c <= 'Z')
            ++count;
    }
    cout<<count<<endl;
}
```

4. Output:



Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1			
2			
3			
4			