

```

...ssignments\131_Assignment_3\question_2\question_2.cpp 1
1 // / 2
----- 2
----- 2
2 //Name Sai Chaitanya Kilambi
3 //Course CPSC 131 Data Structures, Fall, 2022
4 //Assignment No.3 question:2
5 //Due date 09/14/2022
6 // Purpose:
7 // This program gives the short form notation for the inputted university name 2
8 //----- 2
-----
9 // list of libraries
10 //
11 //importing the required libraries
12 #include <iostream>
13 #include<string>
14 #include<cstring>
15
16
17 //creating a function that returns the short form of the university name
18 std::string ShortForm(std::string uni)
19 {
20     std::string small = "";
21     small.push_back(uni[0]);
22
23     //for loop for going over the input
24     for (int j = 2; j < uni.length(); j++)
25     {
26         if (uni[j - 1] == ' ' && uni[j] != 0)
27         {
28             //skipping the word "of"
29             if ((uni[j] == 'o' || uni[j] == 'O') && (uni[j + 1] == 'f' || 2
30                 uni[j + 1] == 'F'))
31                 continue;
32
33             else
34                 small.push_back(uni[j]);
35         }
36     }
37     return small;
38
39
40
41 //main function
42 int main()
43 {
44

```

```
45     std::string university;
46     char flag='y';
47     //creating the while loop over the flag variable that determines if the loop should continue or not
48     while(flag=='y')
49     {
50
51         // to store university name as entered by user
52         std::cout<<"Enter a university name: ";
53
54         std::getline(std::cin, university);
55
56         std::cout<<"\t"<<university<<" or "<<ShortForm(university);
57
58         std::cout<<std::endl<<"CONTINUE(y/n)? ";
59
60         std::cin>>flag;
61         std::cin.ignore();
62         //ending the loop if the flag variable is 'n'
63         if (flag == 'n')
64             break;
65
66     }
67     return 0;
68 }
69
70
71
```