```
#include<iostream>
                                             Anagram
#include<string>
#include<algorithm>
using namespace std;
int Anagram(string s1, string s2){
  if(s1.size() != s2.size()) return 0;
  else{
                              PS C:\Users\rishe\Desktop\C++> .\Anagram
                              Enter string 1: Rock
    for (char &c : s1) {
                              Enter string 2: Cork
     c = tolower(c);
                              Anagram
  }
    for (char &c : s2) {
     c = tolower(c);
  }
    sort(s1.begin(),s1.end());
    sort(s2.begin(), s2.end());
    return s1 == s2;
  }
}
int main(){
  string str1,str2;
  cout<<"Enter string 1: ";</pre>
  getline(cin,str1);
  cout<<"Enter string 2: ";</pre>
  getline(cin,str2);
  if(Anagram(str1, str2))
    cout<<"Anagram";
```

```
cout<<"Not Anagram";</pre>
}
#include <iostream>
#include <string>
#include <cctype>
using namespace std;
bool isPangram(const string &str) {
  bool seen[26] = {false};
  int count = 0;
  for (char c : str) {
    if (isalpha(c)) {
       c = tolower(c);
       int index = c - 'a';
       if (!seen[index]) {
         seen[index] = true;
         count++;
       }
    }
  return (count == 26);
}
int main() {
  string str;
```

else

## **Pangram**

```
cout << "Enter a phrase to check: ";
      getline(cin, str);
       if (isPangram(str)) cout<<"The string is a Pangram.\n";
      else cout<<"The string is not a Pangram.\n";
       return 0;
PS C:\Users\rishe\Desktop\C++> .\Pangram
Enter a phrase to check: The quick brown fox jumps over the lazy dog
The string is a Pangram.
    //To check How many characters to be removed to make the given string as Palindrome
    #include<iostream>
    #include<string>
    using namespace std;
    int main(){
       string str;
      cout<<"Enter a string: ";</pre>
      getline(cin,str);
       int f[26] = \{0\};
       int i,count = 0;
      for(i = 0; str[i] != '\0'; i++){
         if(str[i] >= 'A' && str[i] <= 'Z'){
           str[i] += 32;
         }
         if(str[i] >= 'a' && str[i] <= 'z'){}
         int index = str[i] - 'a';
```

```
f[index]++;
}

for(i = 0; i < 26; i++){
    if (f[i] % 2 != 0){
        count++;
    }
}

int res = count = 0 ? 0 : count - 1;

cout<<"No. of characters needed to be removed: "<<res;
}</pre>
```

Enter a string: DAD
No. of characters needed to be removed: 0