LeetCode

Question. 9 Palindrome Number

```
class Solution {
public:
   bool isPalindrome(int x) {
      string s = to_string(x);
      int str = 0, end = s.size() - 1;
      while (str < end) {
         if (s[str] != s[end]) {
            return false;
         }
         str++;
         end--;
      }
      return true;
   }
};
```

Question .58 Length of last word

```
class Solution {
public:
    int lengthOfLastWord(string s) {
        int count =0 ;
        int i = s.size()-1;
        for(i;i>=0;i--){
            if (s[i]== ' ' && count>0 ){
                break;
            }
            else if (s[i]!=' '){
                count++;
            }
        }
        return count;
    }
};
```

Question.344 Reverse String

```
class Solution {
public:
    void reverseString(vector<char>& s) {
        int start =0;
        int end =s.size()-1;
        while(start < end){
            swap (s[start],s[end]);
            start++;
            end--;
        }

    }
};
```

Question. 345 Reverse Vowels of string

```
class Solution {
public:
    string reverseVowels(string s) {
        int start =0;
        int end =s.size()-1;
        while(start <end){
            char a1= tolower(s[start]);
            char b1= tolower(s[end]);

            bool x=(a1=='a'||a1=='e'||a1=='i'||a1=='o'||a1=='u');
            bool y=(b1=='a'||b1=='e'||b1=='i'||b1=='o'||b1=='u');

            if(!x){
                start ++;
            }

            else if (!y){
                end--;
            }
            else {
                swap(s[start],s[end]);
                start++;
                end--;
            }

        }
            return s;
    }
```

```
};
```

Question 557 Reverse Word in String

```
class Solution {
public:
    string reverseWords(string s) {
        int start=0;
        for (int i=0;i<=s.size();i++ ){
            if(i == s.size()||s[i]==' '){
                int end =i-1;
                while(start<end){
                    swap(s[start],s[end]);
                    start++;
                    end--;
                }
                start =i+1;
            }
        }
        return s;
    }
};
```

Question 796 Rotate string

```
class Solution {
public:
    bool rotateString(string s, string goal) {
        if (s.size()!=  goal.size() ){
            return false;
        }
        string temp =s+s;
        return temp.find(goal)!= string::npos;
    }
};
```

Question 2828 Check if a string is an acronym of words

```
class Solution {
public:
    bool rotateString(string s, string goal) {
        if (s.size()!=  goal.size() ){
            return false;
        }
        string temp =s+s;
        return temp.find(goal)!= string::npos;
```

```
    }
};
```

Question 2744 Find max no. of string

```
class Solution {
public:
    int maximumNumberOfStringPairs(vector<string>& words) {
        int count =0;
        int n = words.size();
        for (int i=0 ;i<n;i++){
            for( int j=i+1;j<n;j++){
                string rev = words[i];
                reverse (rev.begin(), rev.end());
                if (rev==words[j]){
                    count++;
                }
            }
        }
        return count;
    }
};
```

Question 2108 Find first palindromic String

```
class Solution {
public:
    string firstPalindrome(vector<string>& words) {
        for (int i = 0; i < words.size(); i++) {
            int start = 0;
            int end = words[i].size() - 1;

            bool find = true;

            while (start < end) {
                if (words[i][start] != words[i][end]) {
                    find = false;
                    break;
                }
                start++;
                end--;
            }

            if (find)
                return words[i];
        }
```

```
        return "";
    }
};
```

Question1221 Split the string in balance string

```
class Solution {
public:
    int balancedStringSplit(string s) {
        int balance =0;
        int count =0;
        for (char c:s){
            if (c=='L'){
                balance++;
            }
            else if (balance==0){
                count++;
            }
            else {
                balance --;
            }
        }
            return count ;
    }
};
```