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| Tribital Contents | Trib
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```
2 using namespace std;
                                                                                                                                          Enter the elements of the array: 1
 3 void reverseArray(int arr[], int n) {
          while (start < end) {
   int temp = arr[start];</pre>
                                                                                                                                         4
                                                                                                                                         5
               arr[start] = arr[end];
               arr[end] = temp;
                                                                                                                                          Reversed Array: 6 5 4 3 2 1
                                                                                                                                          Second Largest: 5
                                                                                                                                          Second Smallest: 2
               end--;
          cout << "Reversed Array: ";
for (int i = 0; i < n; ++i) {
    cout << arr[i] << " ";</pre>
          cout << endl;
19 void findSecondLargestAndSecondSmallest(int arr[], int n) {
20 -
              cout << "Array is too small to find second largest and second smallest elements." << endl;</pre>
          int largest = -1, secondLargest = -1; int smallest = 1000001, secondSmallest = 1000001; for (int i = 0; i < n; ++i) {
               if (arr[i] > largest) {
                    secondLargest = largest;
28
                    largest = arr[i];
               } else if (arr[i] > secondLargest && arr[i] < largest) {
    secondLargest = arr[i];</pre>
30
               if (arr[i] < smallest) {</pre>
34
                    secondSmallest = smallest;
                    smallest = arr[i];
               } else if (arr[i] < secondSmallest && arr[i] > smallest) {
                    secondSmallest = arr[i];
```

Enter the number of elements: 6

```
Enter the elements of the array: 1
19 void findSecondLargestAndSecondSmallest(int arr[], int n) {
          if (n < 2) {
    cout << "Array is too small to find second largest and second smallest elements." << endl;</pre>
          fint largest = -1, secondLargest = -1;
int smallest = 1000001, secondSmallest = 1000001;
for (int i = 0; i < n; ++i) {
    if (confid) | largest|</pre>
                                                                                                                                                   Reversed Array: 6 5 4 3 2 1
                                                                                                                                                   Second Largest: 5
25
                                                                                                                                                   Second Smallest: 2
26
               if (arr[i] > largest) {
                    secondLargest = largest;
28
                     largest = arr[i];
               } else if (arr[i] > secondLargest && arr[i] < largest) {
    secondLargest = arr[i];</pre>
                if (arr[i] < smallest) {</pre>
                    secondSmallest = smallest;
                     smallest = arr[i];
               } else if (arr[i] < secondSmallest && arr[i] > smallest) {
   secondSmallest = arr[i];
39
          cout << "Second Largest: " << secondLargest << endl;
cout << "Second Smallest: " << secondSmallest << endl;</pre>
43 - int main() {
44
          int n;
cout << "Enter the number of elements: ";</pre>
45
46
47
           int arr[n];
           cout << "Enter the elements of the array: "; for (int i = 0; i < n; ++i) {
48
49
               cin >> arr[i];
50
           reverseArray(arr, n);
           findSecondLargestAndSecondSmallest(arr, n);
```

```
2 using namespace std;
                                                                                                                                                                                  The string is not a palindrome.
  3 bool isPalindrome(char str[]) {
                                                                                                                                                                                  Character frequency (case insensitive):
            int start = 0. end = 0;
while (str[end] != '\0') {
                                                                                                                                                                                   h': 1
                end++:
            end--;
             while (start < end) {</pre>
                while (str[start] == ' ') start++;
while (str[end] == ' ') end--;
                   if (tolower(str[start]) != tolower(str[end])) {
                  return false;
}
                                                                                                                                                                                 String after replacing vowels with '*': Pr*t**k Sh*rm*
13
14
                   start++;
                   end--;
20 - void countCharacterFrequency(char str[]) {
21     int frequency[26] = {0};
22     int i = 0;
             int i = 0;
while (str[i] != '\0') {
   if (str[i] != '`) {
      char ch = tolower(str[i]);
      if (ch >= 'a' && ch <= 'z') {
            frequency[ch - 'a']++;
      }
}</pre>
26
27
28
29
             cout << "Character frequency (case insensitive):" << endl:
for (int i = 0: i < 26: i++) {
    if (frequency[i] > 0) {
       cout << "'" << (char)(i + 'a') << "': " << frequency[i] << endl:
    }</pre>
33
34
39 - void replaceVowels(char str[], char replacementChar = '*') {
```

Enter a string: Prateek Sharma

```
Enter the size of the matrix: 3
     using namespace std;
                                                                                                                                                                                                       Enter the elements of the matrix:
      void rotateMatrix(int matrix[][100], int n) {
           d rotateMatrix(int matrix[][100], int n) {
  for (int i = 0; i < n / 2; i++) {
    for (int j = i; j < n - i - 1; j++) {
        int temp = matrix[i][j];
        matrix[i][j] = matrix[n - j - 1][i];
        matrix[n - j - 1][i] = matrix[n - i - 1][n - j - 1];
        matrix[n - i - 1][n - j - 1] = matrix[j][n - i - 1];
        matrix[j][n - i - 1] = temp;
}</pre>
                                                                                                                                                                                                      Original Matrix:
                                                                                                                                                                                                      1 2 3
14 - void printMatrix(int matrix[][100], int n) {
            for (int i = 0; i < n; i++) {
    for (int j = 0; j < n; j++) {
                                                                                                                                                                                                      7 8 9
                 cout << matrix[i][j] << " ";
}</pre>
                                                                                                                                                                                                       Matrix after 90 degree rotation:
                                                                                                                                                                                                       8 5 2
                 cout << endl;</pre>
22 - int main() {
            cout << "Enter the size of the matrix: ";</pre>
            int matrix[100][100];
            cout << "Enter the elements of the matrix:" << endl; for (int i = 0; i < n; i++) {
                  for (int j = 0; j < n; j++) {
    cin >> matrix[i][j];
30
            cout << "Original Matrix:" << endl;</pre>
            printMatrix(matrix, n);
            rotateMatrix(matrix, n);
            cout << "Matrix after 90 degree rotation:" << endl;</pre>
            printMatrix(matrix, n);
```