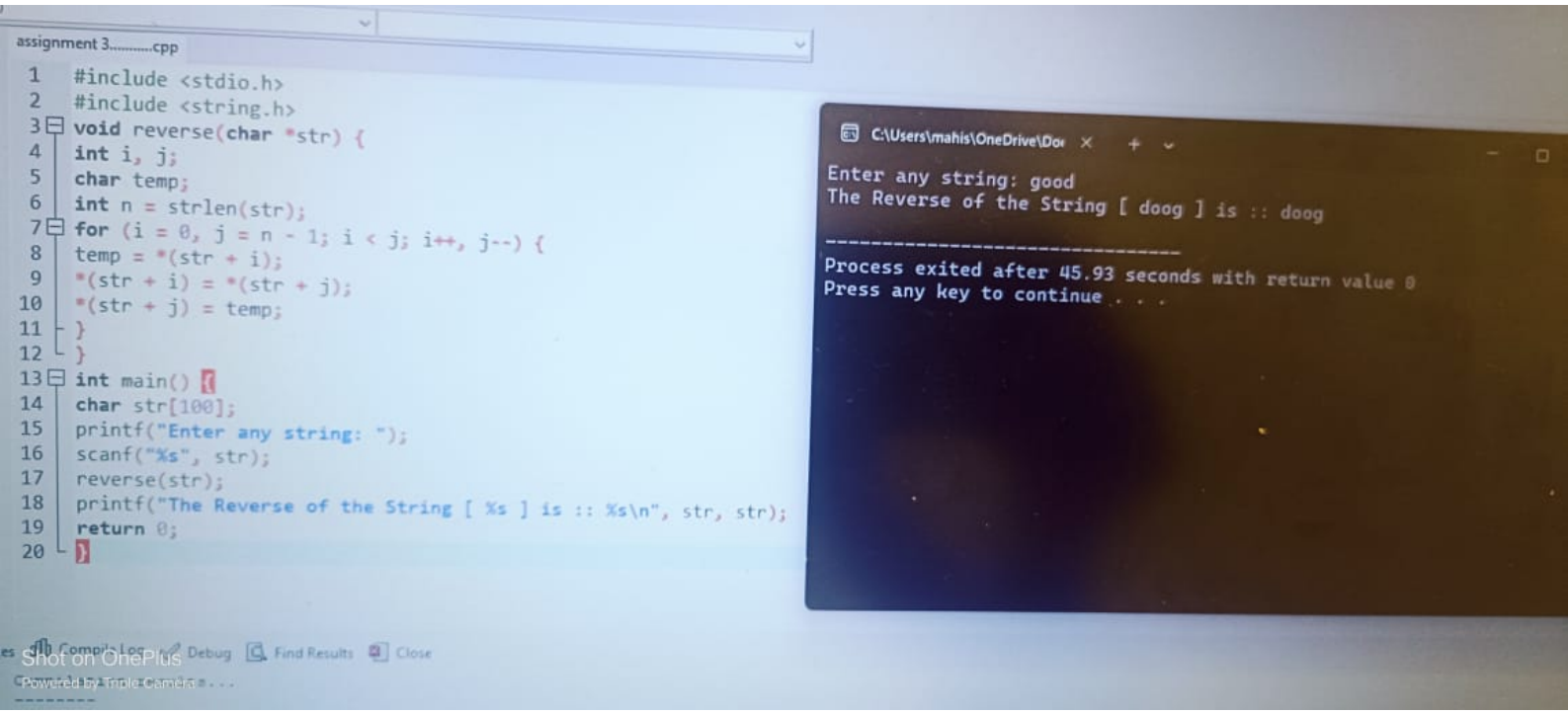
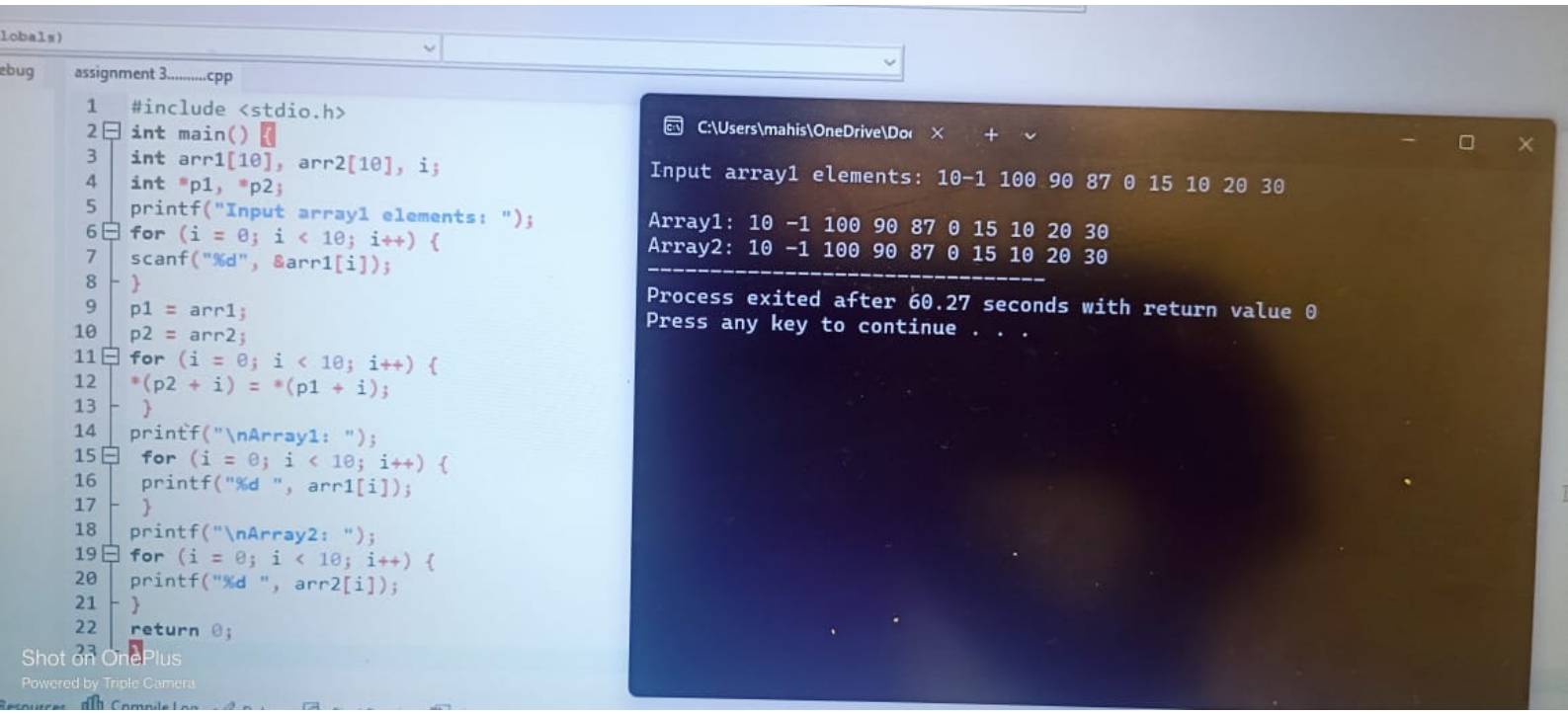
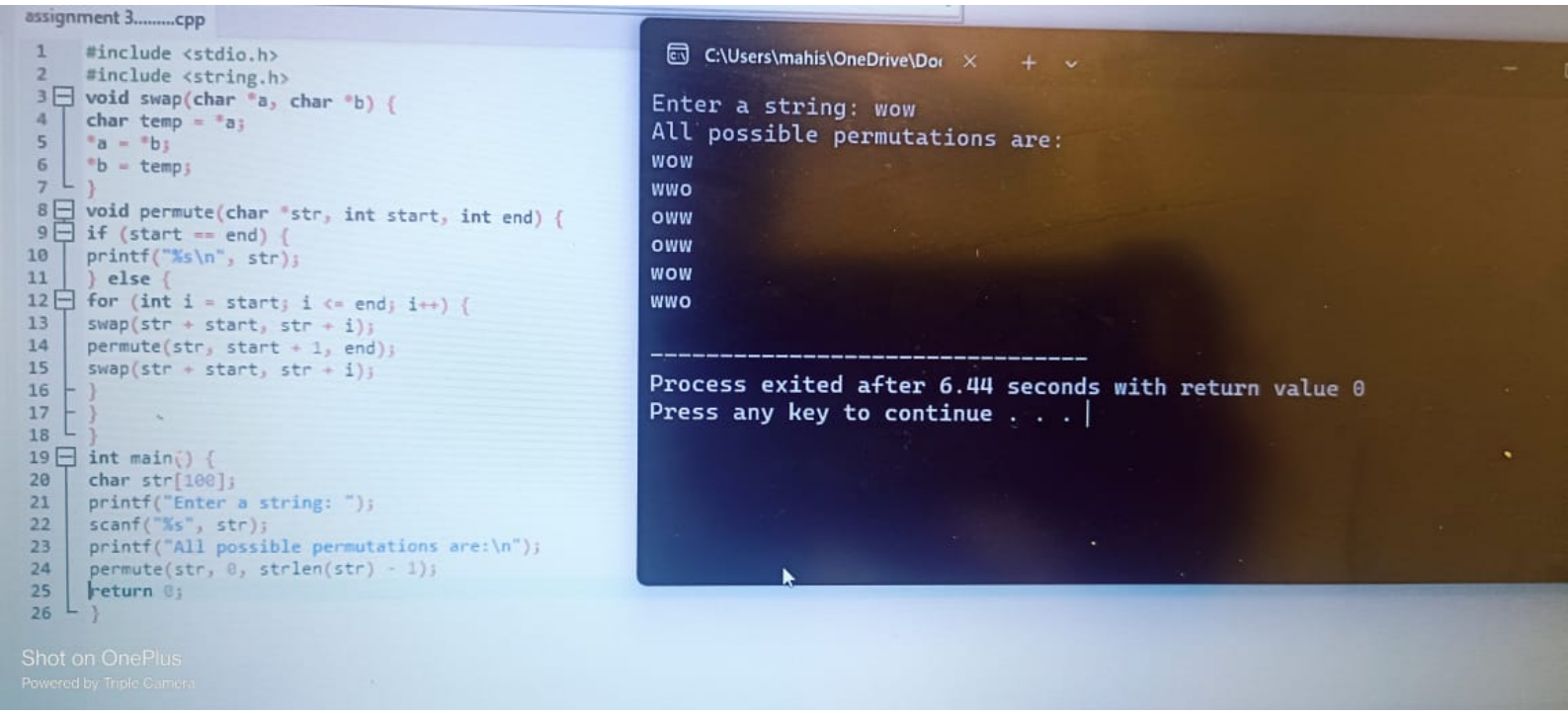
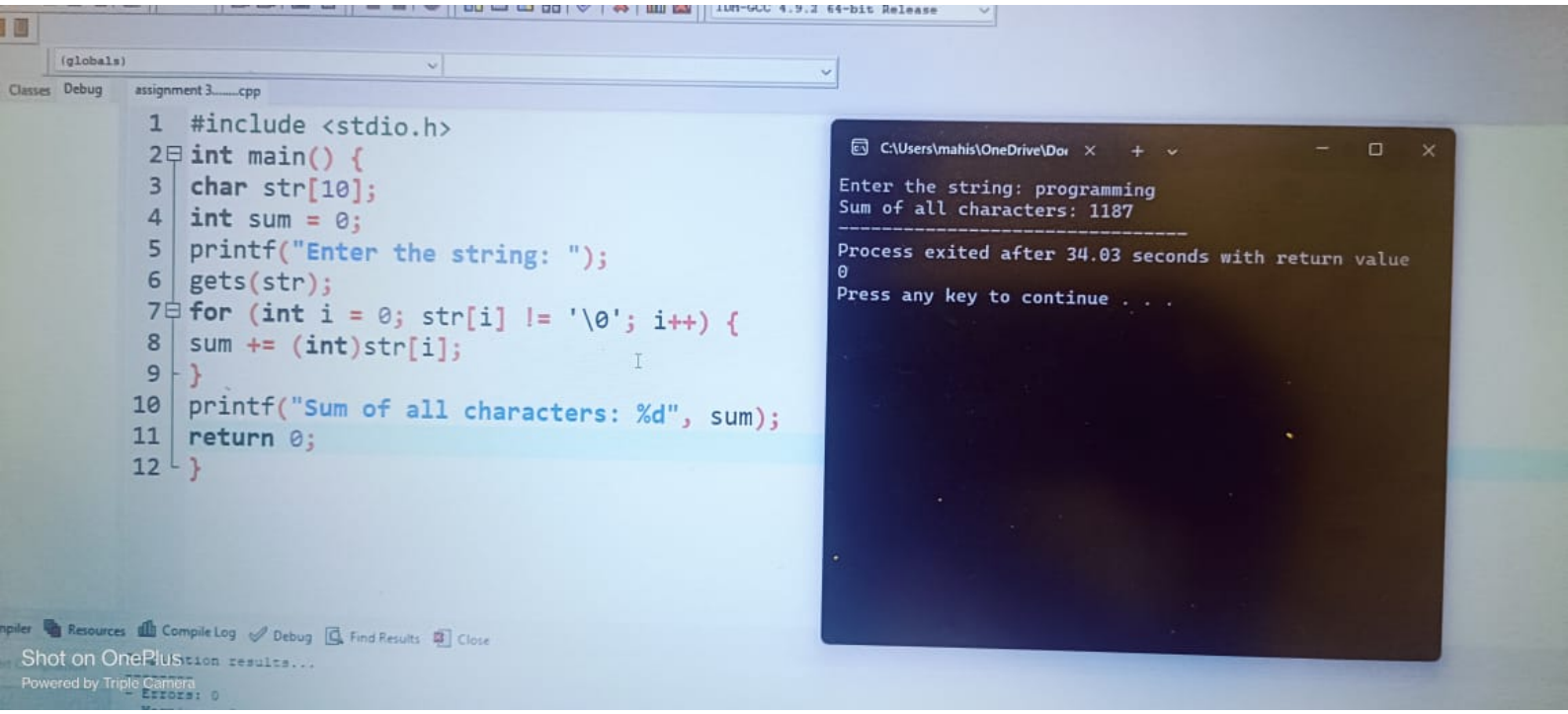
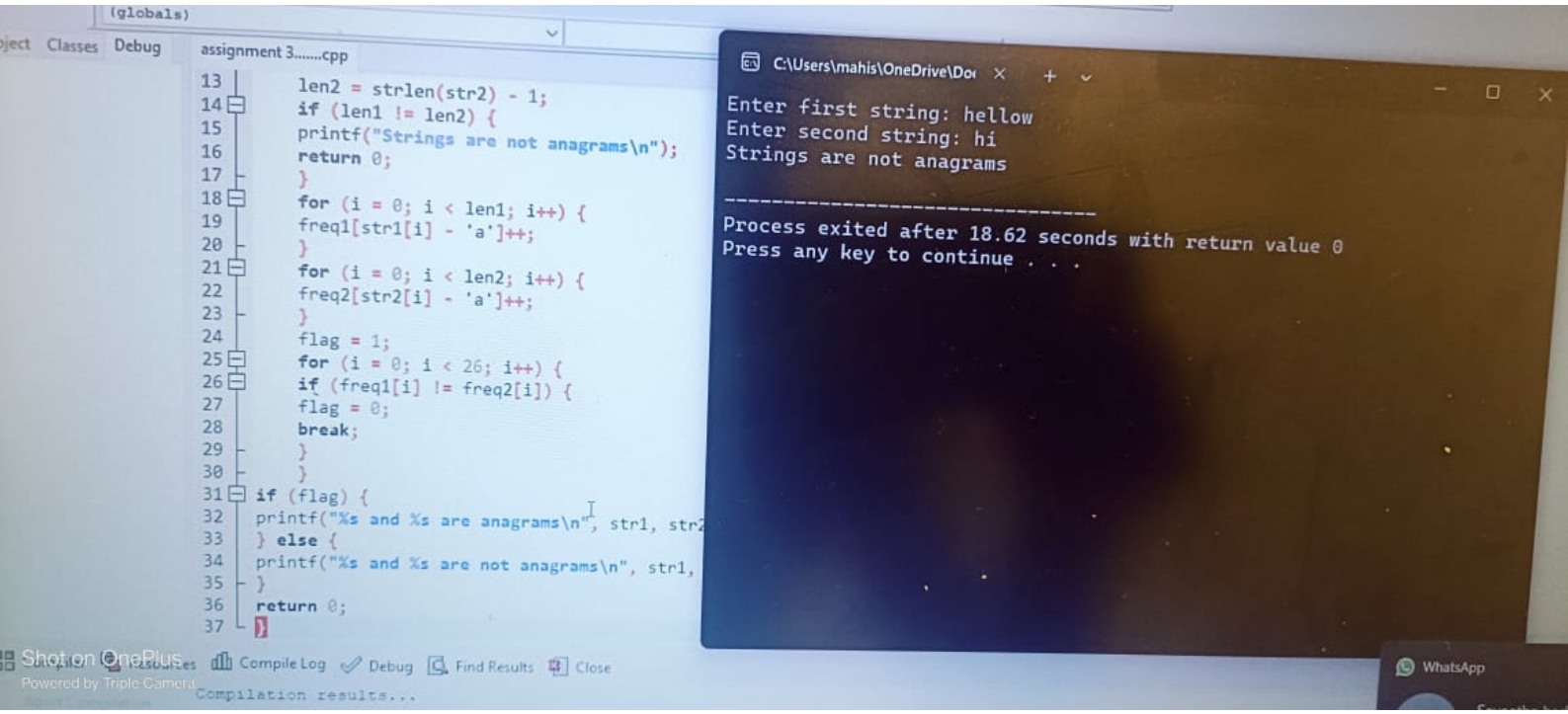
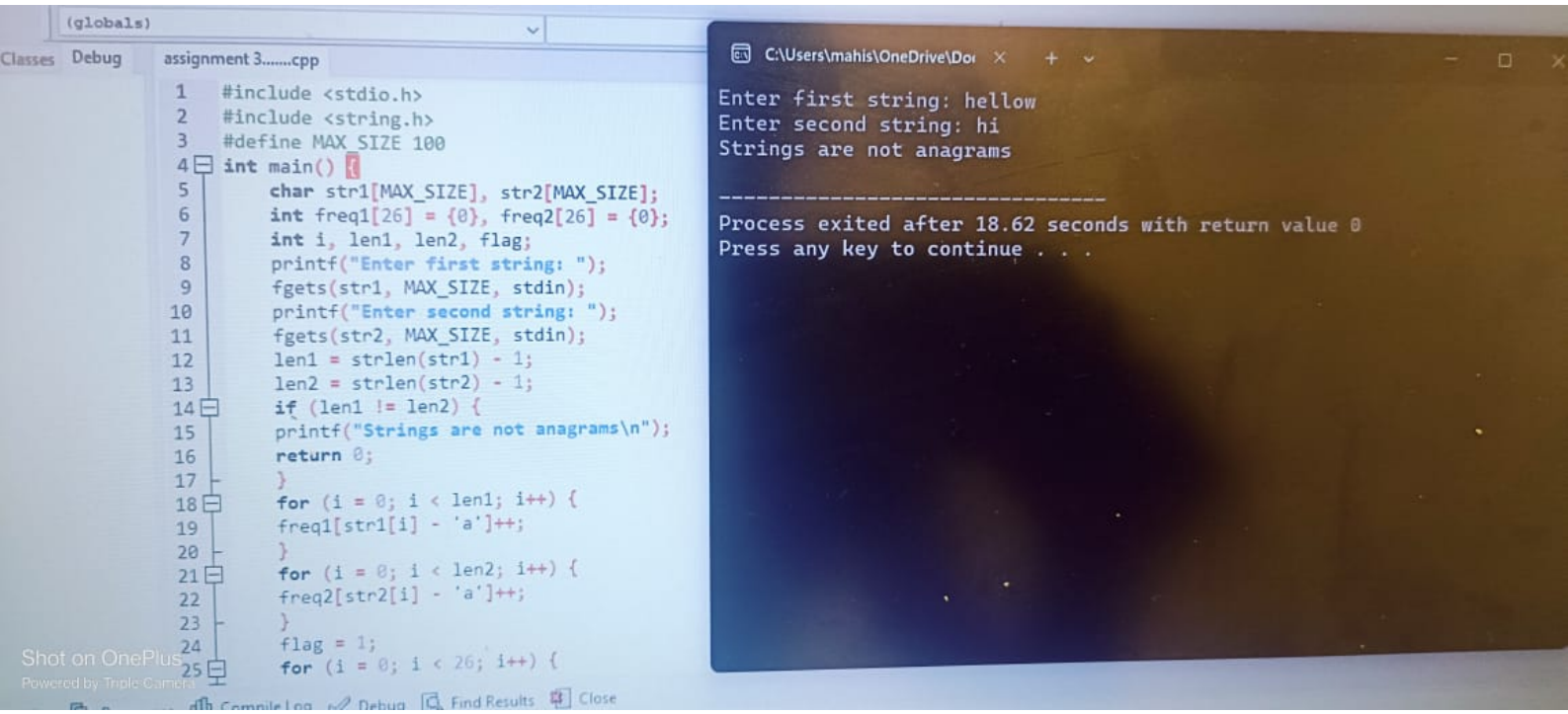

assignment 3.....cpp
#include <stdio.h>
#include <string.h>
void reverse(char *str) {
int i, j;
char temp;
int n = strlen(str);
for (i = 0, j = n - 1; i < j; i++, j--) {
temp = *(str + i);
*(str + i) = *(str + j);
*(str + j) = temp;
}
}
int main() {
char str[100];
printf("Enter any string: ");
scanf("%s", str);
reverse(str);
printf("The Reverse of the String [ %s ] is :: %s\n", str, str);
return 0;
}
C:\Users\mahis\OneDrive\Do
Enter any string: good
The Reverse of the String [ doog ] is :: doog
Process exited after 45.93 seconds with return value 0
Press any key to continue . . .
Compile Log
Debug
Find Results
Close
Shot on OnePlus
Powered by Triple Camera

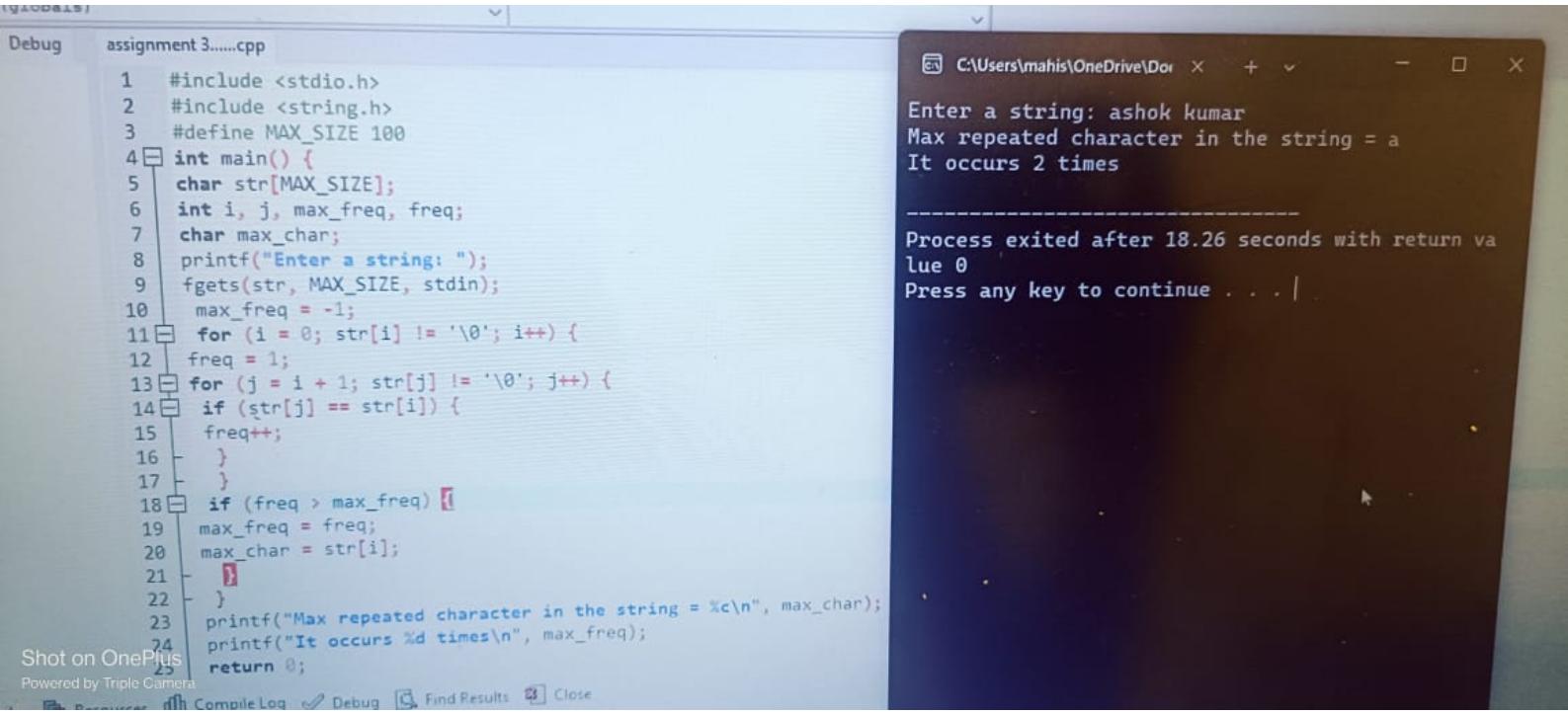

lobals)
ebug
assignment 3.....cpp
#include <stdio.h>
int main() {
int arr1[10], arr2[10], i;
int *p1, *p2;
printf("Input array1 elements: ");
for (i = 0; i < 10; i++) {
scanf("%d", &arr1[i]);
}
p1 = arr1;
p2 = arr2;
for (i = 0; i < 10; i++) {
*(p2 + i) = *(p1 + i);
}
printf("\nArray1: ");
for (i = 0; i < 10; i++) {
printf("%d ", arr1[i]);
}
printf("\nArray2: ");
for (i = 0; i < 10; i++) {
printf("%d ", arr2[i]);
}
return 0;
}
C:\Users\mahis\OneDrive\Do
Input array1 elements: 10-1 100 90 87 0 15 10 20 30
Array1: 10 -1 100 90 87 0 15 10 20 30
Array2: 10 -1 100 90 87 0 15 10 20 30
Process exited after 60.27 seconds with return value 0
Press any key to continue . . .
Shot on OnePlus
Powered by Triple Camera

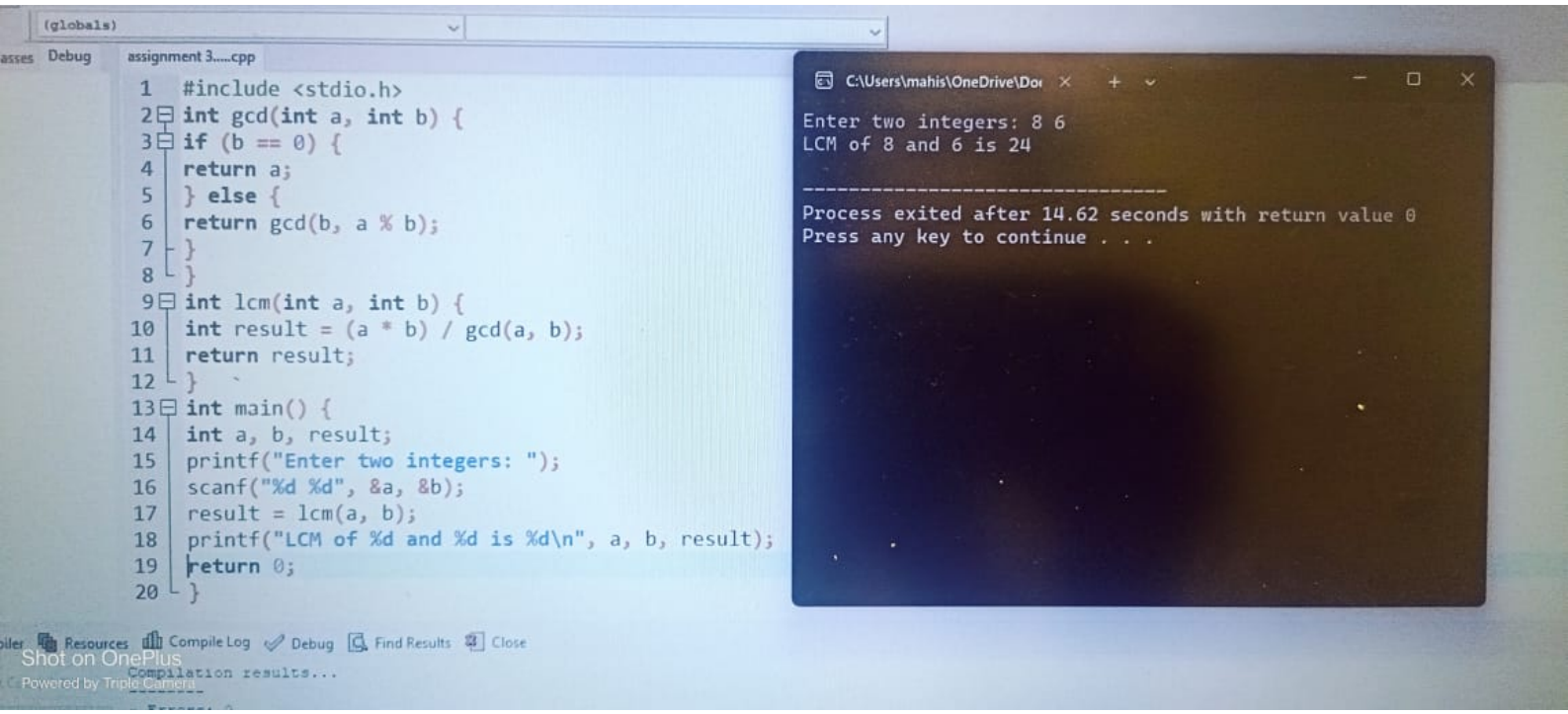

assignment 3.....cpp
#include <stdio.h>
#include <string.h>
void swap(char *a, char *b) {
char temp = *a;
*a = *b;
*b = temp;
}
void permute(char *str, int start, int end) {
if (start == end) {
printf("%s\n", str);
} else {
for (int i = start; i <= end; i++) {
swap(str + start, str + i);
permute(str, start + 1, end);
swap(str + start, str + i);
}
}
int main() {
char str[100];
printf("Enter a string: ");
scanf("%s", str);
printf("All possible permutations are:\n");
permute(str, 0, strlen(str) - 1);
return 0;
}
C:\Users\mahis\OneDrive\Do
Enter a string: wow
All possible permutations are:
wow
wwo
oww
oww
wow
wwo
Process exited after 6.44 seconds with return value 0
Press any key to continue . . .
Shot on OnePlus
Powered by Triple Camera

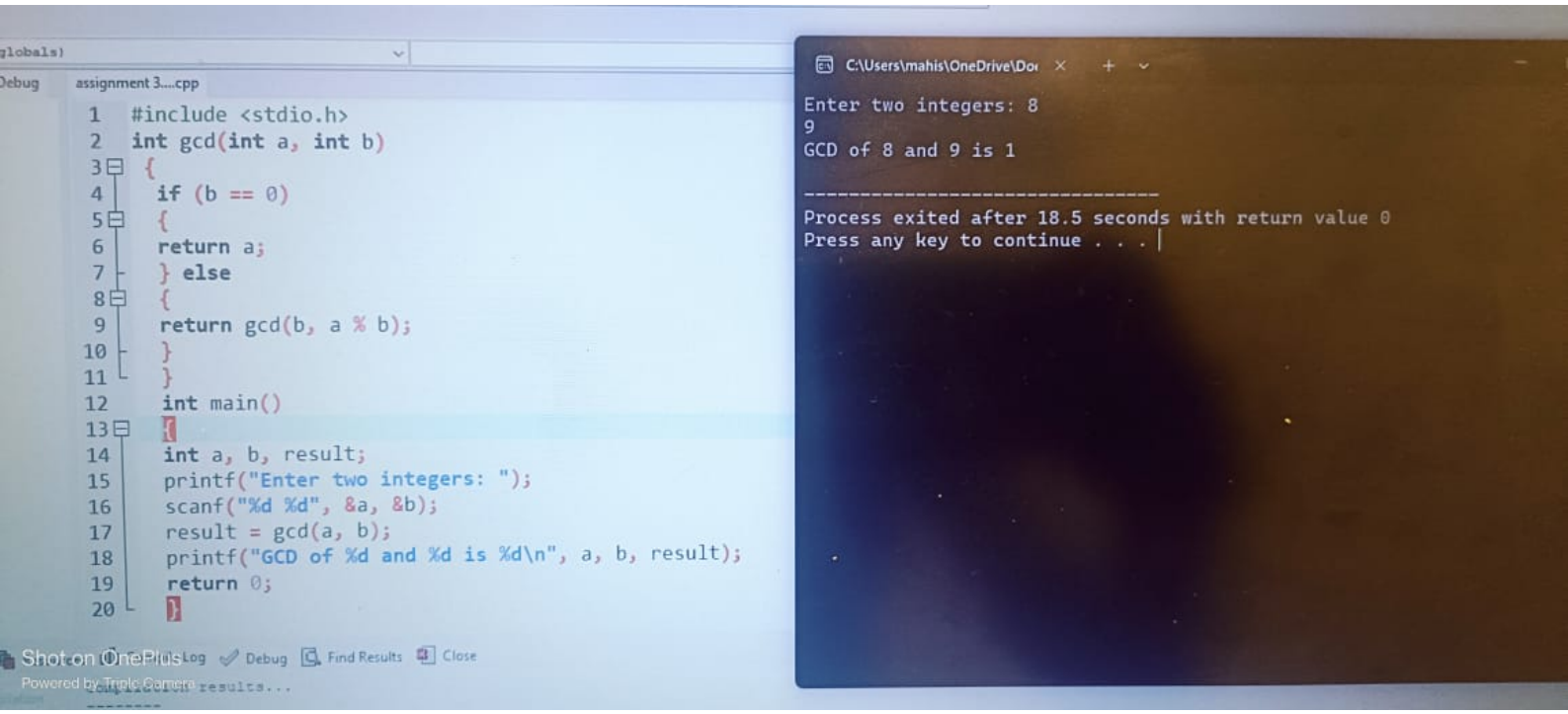

(globals)
Classes
Debug
assignment 3.....cpp
#include <stdio.h>
int main() {
char str[10];
int sum = 0;
printf("Enter the string: ");
gets(str);
for (int i = 0; str[i] != '\0'; i++) {
sum += (int)str[i];
}
printf("Sum of all characters: %d", sum);
return 0;
}
C:\Users\mahis\OneDrive\Do
Enter the string: programming
Sum of all characters: 1187
Process exited after 34.03 seconds with return value
0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close
Shot on OnePlus
Powered by Triple Camera

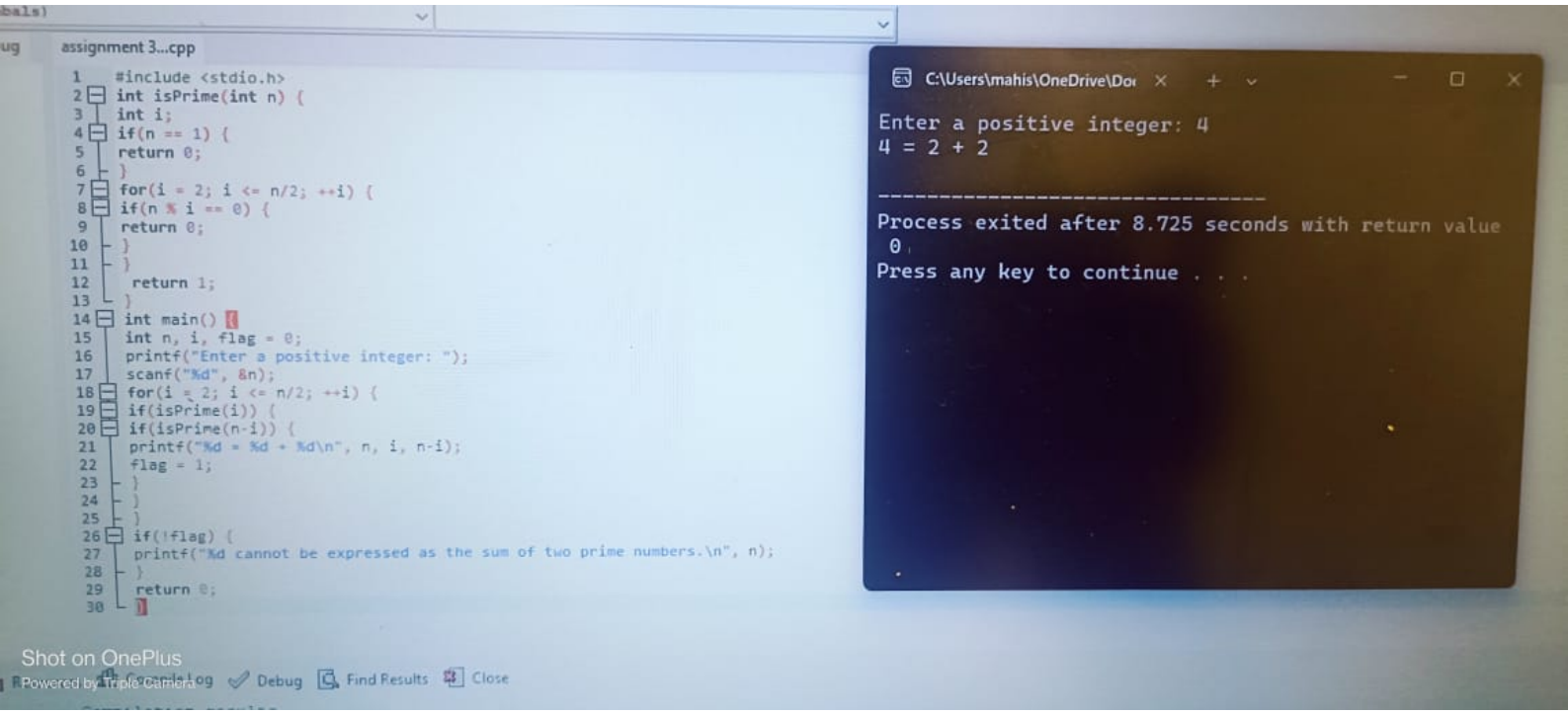

(globals)
Classes
Debug
assignment 3.....cpp
len2 = strlen(str2) - 1;
if (len1 != len2) {
printf("Strings are not anagrams\n");
return 0;
}
for (i = 0; i < len1; i++) {
freq1[str1[i] - 'a']++;
}
for (i = 0; i < len2; i++) {
freq2[str2[i] - 'a']++;
}
flag = 1;
for (i = 0; i < 26; i++) {
if (freq1[i] != freq2[i]) {
flag = 0;
break;
}
}
if (flag) {
printf("%s and %s are anagrams\n", str1, str2
} else {
printf("%s and %s are not anagrams\n", str1,
}
return 0;
}
C:\Users\mahis\OneDrive\Doc
Enter first string: hellow
Enter second string: hi
Strings are not anagrams
Process exited after 18.62 seconds with return value 0
Press any key to continue . . .
Compile Log
Debug
Find Results
Close
Compilation results...
WhatsApp
Shot on OnePlus
Powered by Triple Camera


(globals)
Classes
Debug
assignment 3.....cpp
#include <stdio.h>
#include <string.h>
#define MAX_SIZE 100
int main() {
char str1[MAX_SIZE], str2[MAX_SIZE];
int freq1[26] = {0}, freq2[26] = {0};
int i, len1, len2, flag;
printf("Enter first string: ");
fgets(str1, MAX_SIZE, stdin);
printf("Enter second string: ");
fgets(str2, MAX_SIZE, stdin);
len1 = strlen(str1) - 1;
len2 = strlen(str2) - 1;
if (len1 != len2) {
printf("Strings are not anagrams\n");
return 0;
}
for (i = 0; i < len1; i++) {
freq1[str1[i] - 'a']++;
}
for (i = 0; i < len2; i++) {
freq2[str2[i] - 'a']++;
}
flag = 1;
for (i = 0; i < 26; i++) {
C:\Users\mahis\OneDrive\Do
Enter first string: hellow
Enter second string: hi
Strings are not anagrams
Process exited after 18.62 seconds with return value 0
Press any key to continue . . .
Compile Log
Debug
Find Results
Close
Shot on OnePlus
Powered by Triple Camera


Debug
assignment 3.....cpp
#include <stdio.h>
#include <string.h>
#define MAX_SIZE 100
int main() {
char str[MAX_SIZE];
int i, j, max_freq, freq;
char max_char;
printf("Enter a string: ");
fgets(str, MAX_SIZE, stdin);
max_freq = -1;
for (i = 0; str[i] != '\0'; i++) {
freq = 1;
for (j = i + 1; str[j] != '\0'; j++) {
if (str[j] == str[i]) {
freq++;
}
}
if (freq > max_freq) {
max_freq = freq;
max_char = str[i];
}
}
printf("Max repeated character in the string = %c\n", max_char);
printf("It occurs %d times\n", max_freq);
return 0;
Compile Log
Debug
Find Results
Close
C:\Users\mahis\OneDrive\Do
Enter a string: ashok kumar
Max repeated character in the string = a
It occurs 2 times
Process exited after 18.26 seconds with return value 0
Press any key to continue . . .
Shot on OnePlus
Powered by Triple Camera


(globals)
Debug
assignment 3.....cpp
#include <stdio.h>
int gcd(int a, int b) {
if (b == 0) {
return a;
} else {
return gcd(b, a % b);
}
}
int lcm(int a, int b) {
int result = (a * b) / gcd(a, b);
return result;
}
int main() {
int a, b, result;
printf("Enter two integers: ");
scanf("%d %d", &a, &b);
result = lcm(a, b);
printf("LCM of %d and %d is %d\n", a, b, result);
return 0;
}
C:\Users\mahis\OneDrive\Do
Enter two integers: 8 6
LCM of 8 and 6 is 24
Process exited after 14.62 seconds with return value 0
Press any key to continue . . .
Resources
Compile Log
Debug
Find Results
Close
Compilation results...
Shot on OnePlus
Powered by Triple Camera


globals)
Debug
assignment 3....cpp
#include <stdio.h>
int gcd(int a, int b)
{
if (b == 0)
{
return a;
} else
{
return gcd(b, a % b);
}
}
int main()
{
int a, b, result;
printf("Enter two integers: ");
scanf("%d %d", &a, &b);
result = gcd(a, b);
printf("GCD of %d and %d is %d\n", a, b, result);
return 0;
}
Debug
Find Results
Close
C:\Users\mahis\OneDrive\Do
Enter two integers: 8
9
GCD of 8 and 9 is 1
Process exited after 18.5 seconds with return value 0
Press any key to continue . . .
Shot on OnePlus
Powered by Triple Camera


assignment 3...cpp
#include <stdio.h>
int isPrime(int n) {
int i;
if(n == 1) {
return 0;
}
for(i = 2; i <= n/2; ++i) {
if(n % i == 0) {
return 0;
}
}
return 1;
}
int main() {
int n, i, flag = 0;
printf("Enter a positive integer: ");
scanf("%d", &n);
for(i = 2; i <= n/2; ++i) {
if(isPrime(i)) {
if(isPrime(n-i)) {
printf("%d = %d + %d\n", n, i, n-i);
flag = 1;
}
}
}
if(!flag) {
printf("%d cannot be expressed as the sum of two prime numbers.\n", n);
}
return 0;
}
C:\Users\mahis\OneDrive\Do
Enter a positive integer: 4
4 = 2 + 2
Process exited after 8.725 seconds with return value 0
Press any key to continue . . .
Debug
Find Results
Close
Shot on OnePlus
Powered by Triple Camera