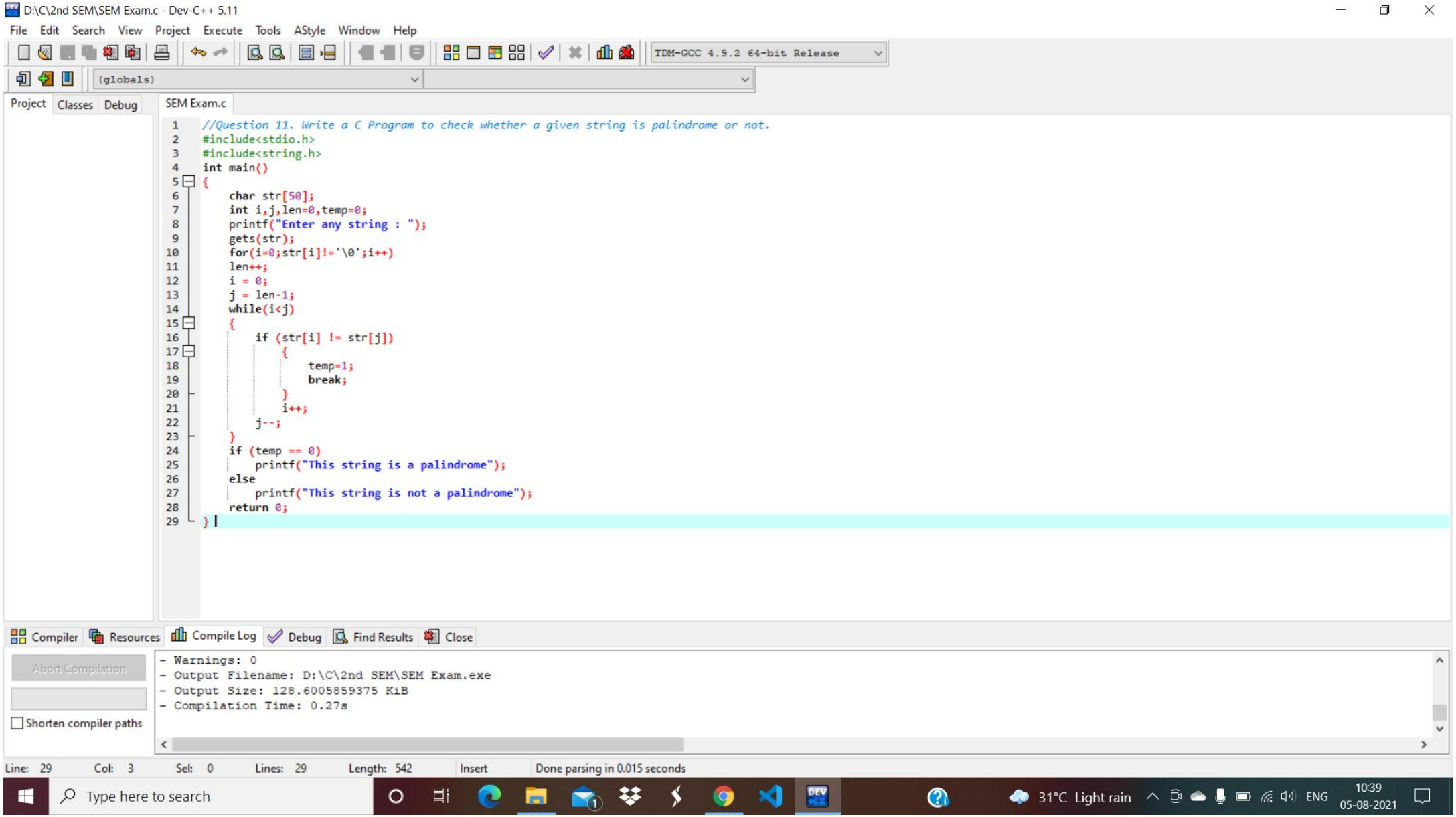
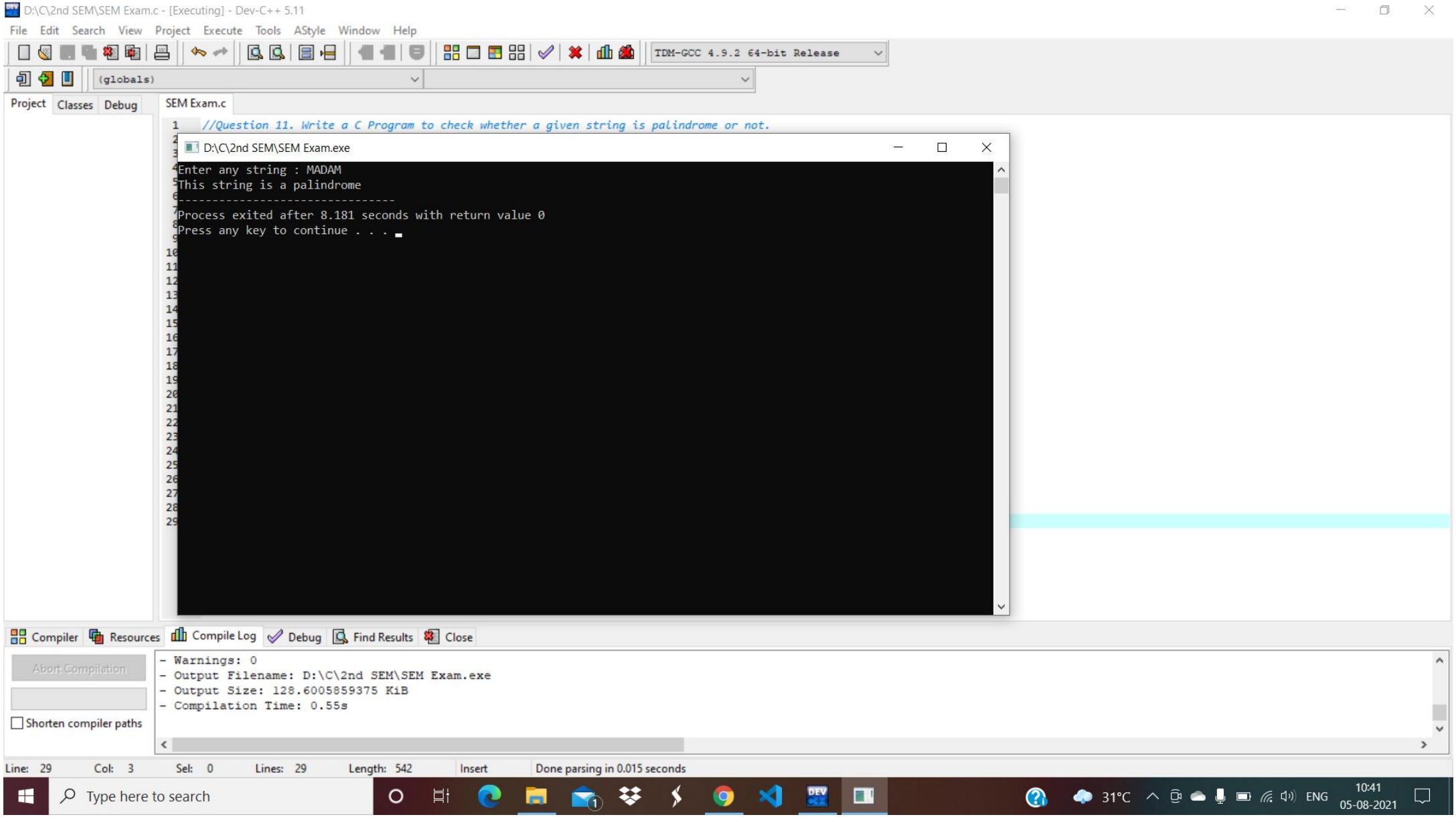
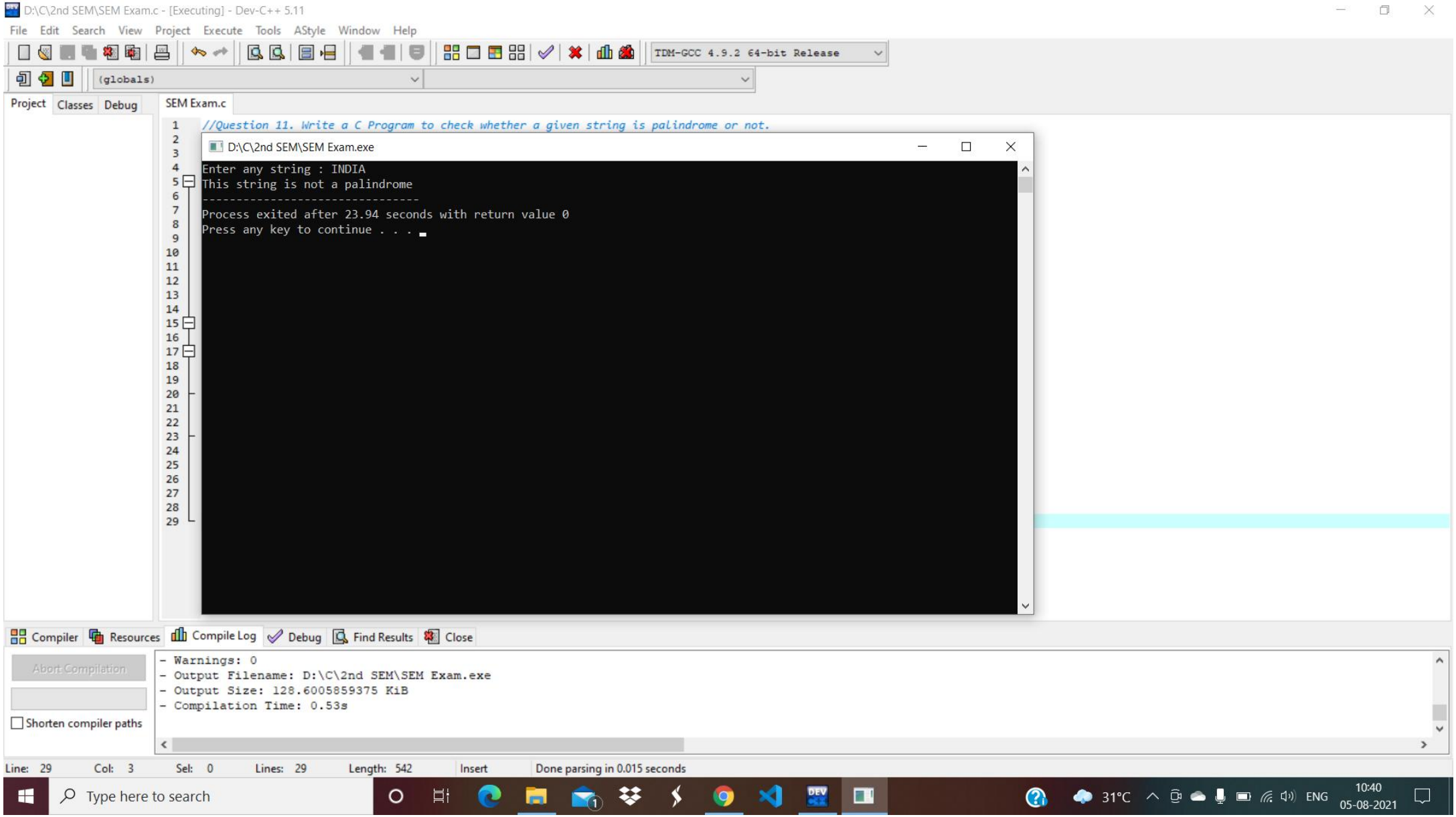

D:\C\2nd SEM\SEM Exam.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
SEM Exam.c
//Question 11. Write a C Program to check whether a given string is palindrome or not.
#include<stdio.h>
#include<string.h>
int main()
{
char str[50];
int i,j,len=0,temp=0;
printf("Enter any string : ");
gets(str);
for(i=0;str[i]!='\0';i++)
len++;
i = 0;
j = len-1;
while(i<j)
{
if (str[i] != str[j])
{
temp=1;
break;
}
i++;
j--;
}
if (temp == 0)
printf("This string is a palindrome");
else
printf("This string is not a palindrome");
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Warnings: 0
- Output Filename: D:\C\2nd SEM\SEM Exam.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.27s
Line: 29 Col: 3 Sel: 0 Lines: 29 Length: 542 Insert Done parsing in 0.015 seconds
Type here to search
31°C Light rain
ENG
10:39
05-08-2021


D:\C\2nd SEM\SEM Exam.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
SEM Exam.c
//Question 11. Write a C Program to check whether a given string is palindrome or not.
D:\C\2nd SEM\SEM Exam.exe
Enter any string : MADAM
This string is a palindrome
Process exited after 8.181 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Warnings: 0
- Output Filename: D:\C\2nd SEM\SEM Exam.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.55s
Line: 29 Col: 3 Sel: 0 Lines: 29 Length: 542 Insert Done parsing in 0.015 seconds
Type here to search
31°C
ENG
10:41
05-08-2021


D:\C\2nd SEM\SEM Exam.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
SEM Exam.c
//Question 11. Write a C Program to check whether a given string is palindrome or not.
D:\C\2nd SEM\SEM Exam.exe
Enter any string : INDIA
This string is not a palindrome
Process exited after 23.94 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Warnings: 0
- Output Filename: D:\C\2nd SEM\SEM Exam.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.53s
Line: 29 Col: 3 Sel: 0 Lines: 29 Length: 542 Insert Done parsing in 0.015 seconds
Type here to search
31°C
ENG
10:40
05-08-2021

NAME: SINCHAN BASU
UNIVERSITY ROLL NO.: 17600120013
CLASS ROLL NO.: 54
SUBJECT NAME: Programming for Problem Solving
HALF: First Half (1st)
DEPARTMENT(STREAM) – Computer Science and Engineering (CSE)

Q1) Write a C program to check whether a given string is palindrome or not.

Algorithm – Step 1 – Start. Enter a string (str).
Step 2 – Read the input string.
Step 3 – Read the input string from left-to-right & and right-to-left character by character.
Step 4 – Initialize len = 0 and temp = 0.
Step 5 – Use for loop [for(i=0) and str[i] ≠ null, i++]
Step 6 – Increase the value of len (len++).
Step 7 – Initialise i=0 and j = len-1
Step 8 – Using while (i < j), if str[i] is not equal to str[j] then make temp=1 and break the statement.
Step 9 – Increase i (i++).
Step 10 – Decrease j (j--).
Step 11 – If temp equals to equals to zero then print the statement "This string is a palindrome".
Step 12 – If the previous statement is false then using else statement print "This string is not a palindrome".
Step 13 – & return 0.
Step 14 – Stop.