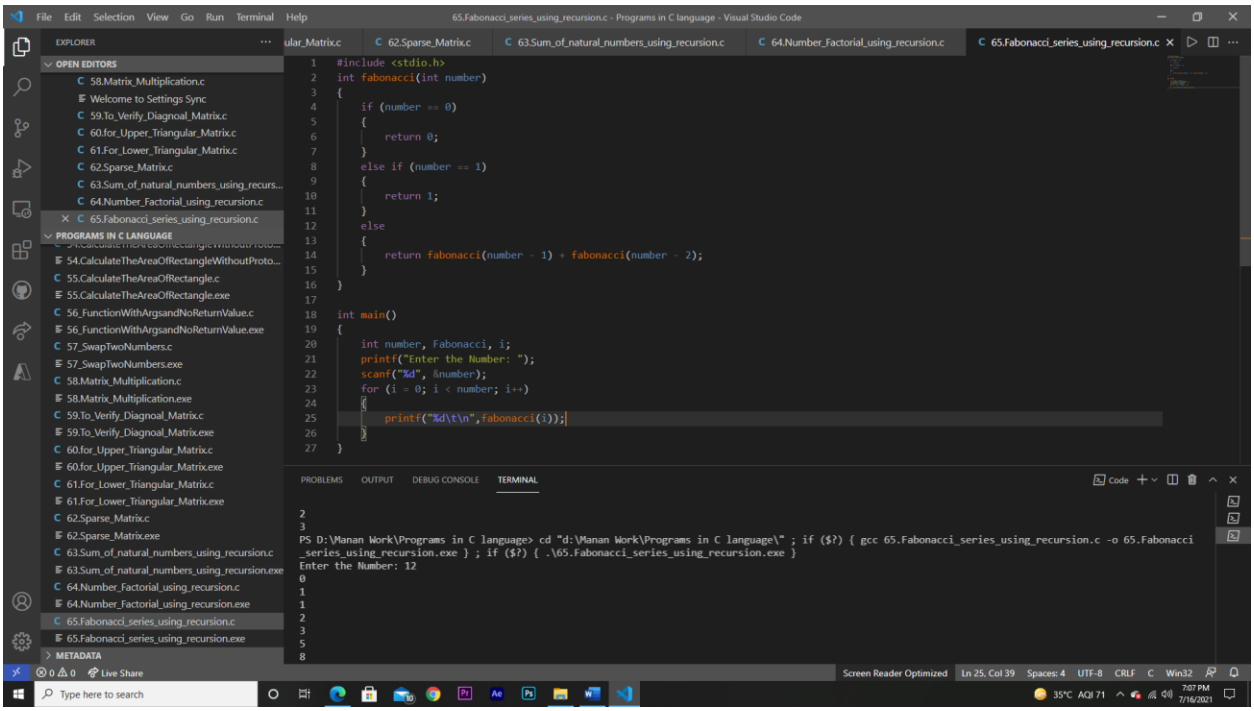
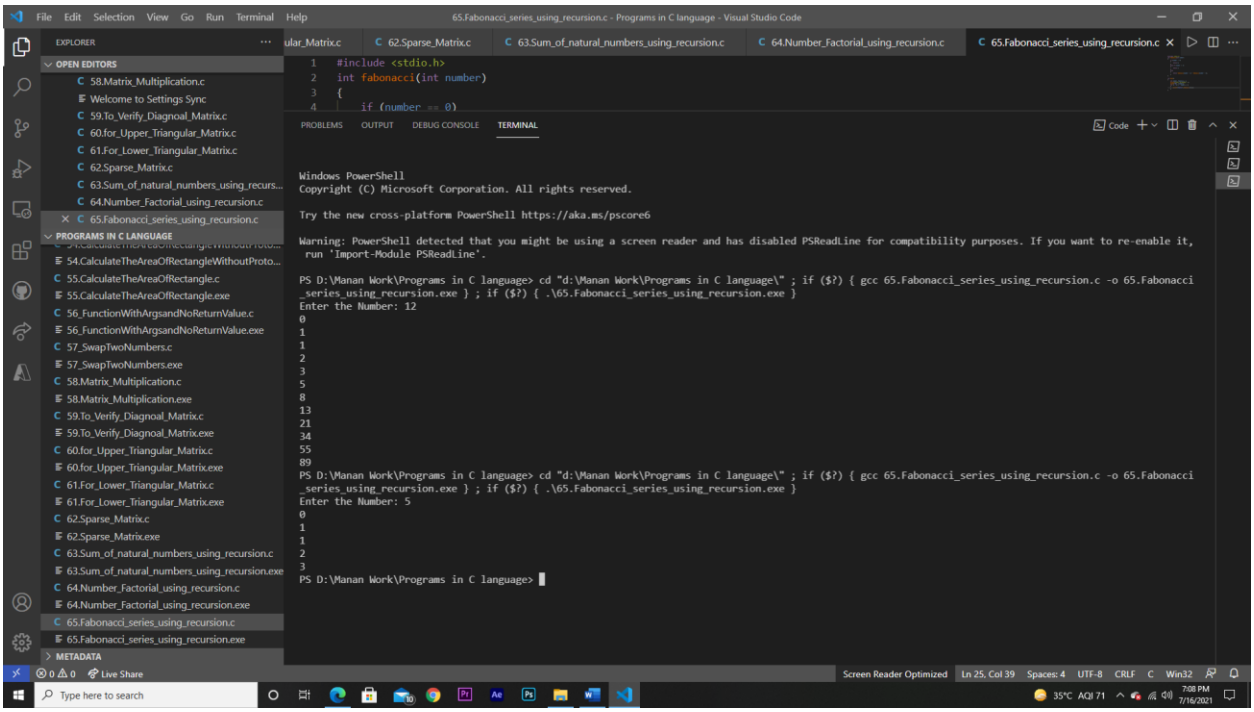

File Edit Selection View Go Run Terminal Help
65.Fabonacci_series_using_recursion.c - Programs in C language - Visual Studio Code
EXPLORER
OPEN EDITORS
58.Matrix_Multiplication.c
Welcome to Settings Sync
59.To_Verify_Diagnoal_Matrix.c
60.for_Upper_Triangular_Matrix.c
61.For_Lower_Triangular_Matrix.c
62.Sparse_Matrix.c
63.Sum_of_natural_numbers_using_recurs...
64.Number_Factorial_using_recursion.c
65.Fabonacci_series_using_recursion.c
PROGRAMS IN C LANGUAGE
54.CalculateTheAreaOfRectangleWithoutProto...
55.CalculateTheAreaOfRectangle.c
55.CalculateTheAreaOfRectangle.exe
56_FunctionWithArgsandNoReturnValue.c
56_FunctionWithArgsandNoReturnValue.exe
57_SwapTwoNumbers.c
57_SwapTwoNumbers.exe
58.Matrix_Multiplication.c
58.Matrix_Multiplication.exe
59.To_Verify_Diagnoal_Matrix.c
59.To_Verify_Diagnoal_Matrix.exe
60.for_Upper_Triangular_Matrix.c
60.for_Upper_Triangular_Matrix.exe
61.For_Lower_Triangular_Matrix.c
61.For_Lower_Triangular_Matrix.exe
62.Sparse_Matrix.c
62.Sparse_Matrix.exe
63.Sum_of_natural_numbers_using_recursion.c
63.Sum_of_natural_numbers_using_recursion.exe
64.Number_Factorial_using_recursion.c
64.Number_Factorial_using_recursion.exe
65.Fabonacci_series_using_recursion.c
65.Fabonacci_series_using_recursion.exe
METADATA
62.Sparse_Matrix.c
63.Sum_of_natural_numbers_using_recursion.c
64.Number_Factorial_using_recursion.c
65.Fabonacci_series_using_recursion.c
#include <stdio.h>
int fabonacci(int number)
{
if (number == 0)
{
return 0;
}
else if (number == 1)
{
return 1;
}
else
{
return fabonacci(number - 1) + fabonacci(number - 2);
}
}
int main()
{
int number, Fabonacci, i;
printf("Enter the Number: ");
scanf("%d", &number);
for (i = 0; i < number; i++)
{
printf("%d\t\n",fabonacci(i));
}
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
Code
2
3
PS D:\Manan Work\Programs in C language> cd "d:\Manan Work\Programs in C language\" ; if ($?) { gcc 65.Fabonacci_series_using_recursion.c -o 65.Fabonacci_series_using_recursion.exe } ; if ($?) { .\65.Fabonacci_series_using_recursion.exe }
Enter the Number: 12
0
1
1
2
3
5
8
Live Share
Screen Reader Optimized
Ln 25, Col 39
Spaces: 4
UTF-8
CRLF
C
Win32
Type here to search
35°C AQI 71
7:07 PM
7/16/2021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PROGRAMS IN C LANGUAGE
54.CalculateTheAreaOfRectangleWithoutProto...
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61.For_Lower_Triangular_Matrix.c
61.For_Lower_Triangular_Matrix.exe
62.Sparse_Matrix.c
62.Sparse_Matrix.exe
63.Sum_of_natural_numbers_using_recursion.c
63.Sum_of_natural_numbers_using_recursion.exe
64.Number_Factorial_using_recursion.c
64.Number_Factorial_using_recursion.exe
65.Fabonacci_series_using_recursion.c
65.Fabonacci_series_using_recursion.exe
METADATA
#include <stdio.h>
int fabonacci(int number)
{
if (number == 0)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.
PS D:\Manan Work\Programs in C language> cd "d:\Manan Work\Programs in C language\" ; if ($?) { gcc 65.Fabonacci_series_using_recursion.c -o 65.Fabonacci_series_using_recursion.exe } ; if ($?) { .\65.Fabonacci_series_using_recursion.exe }
Enter the Number: 12
0
1
1
2
3
5
8
13
21
34
55
89
PS D:\Manan Work\Programs in C language> cd "d:\Manan Work\Programs in C language\" ; if ($?) { gcc 65.Fabonacci_series_using_recursion.c -o 65.Fabonacci_series_using_recursion.exe } ; if ($?) { .\65.Fabonacci_series_using_recursion.exe }
Enter the Number: 5
0
1
1
2
3
PS D:\Manan Work\Programs in C language>
Live Share
Screen Reader Optimized
Ln 25, Col 39
Spaces: 4
UTF-8
CRLF
C
Win32
Type here to search
35°C AQI 71
7:08 PM
7/16/2021