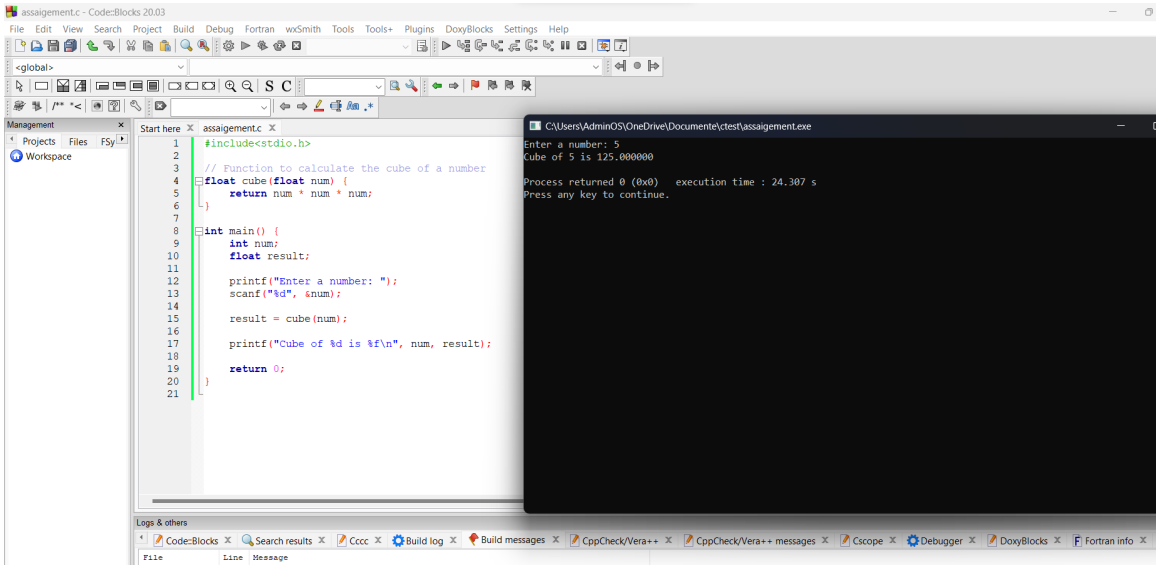
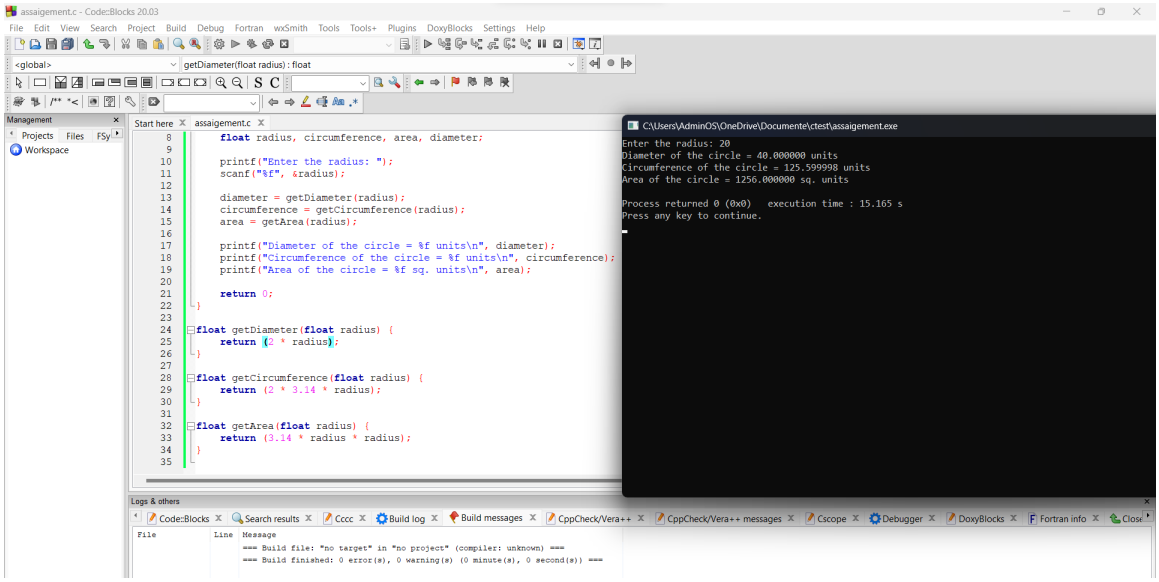
Week 5 tasks :

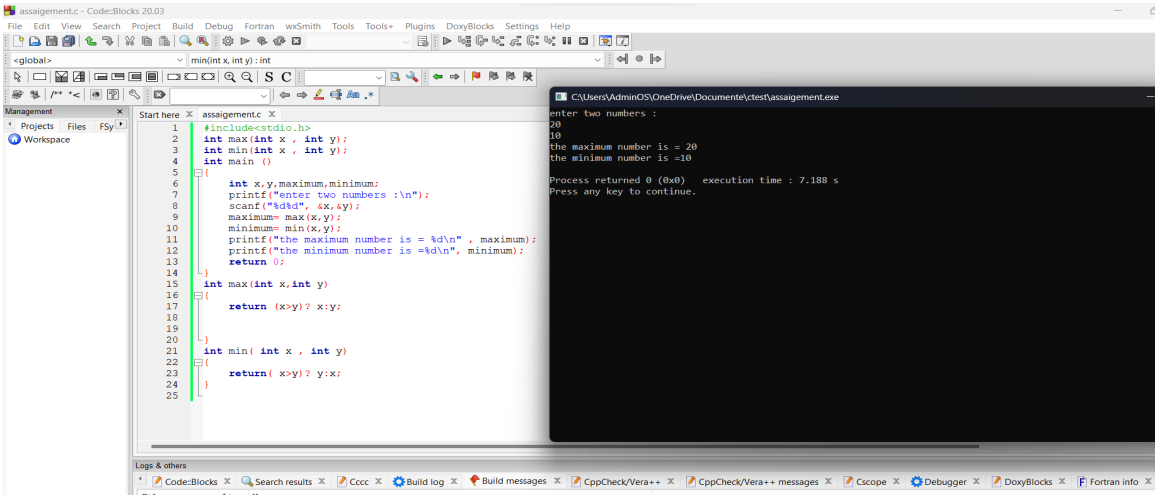
Prob 1 :



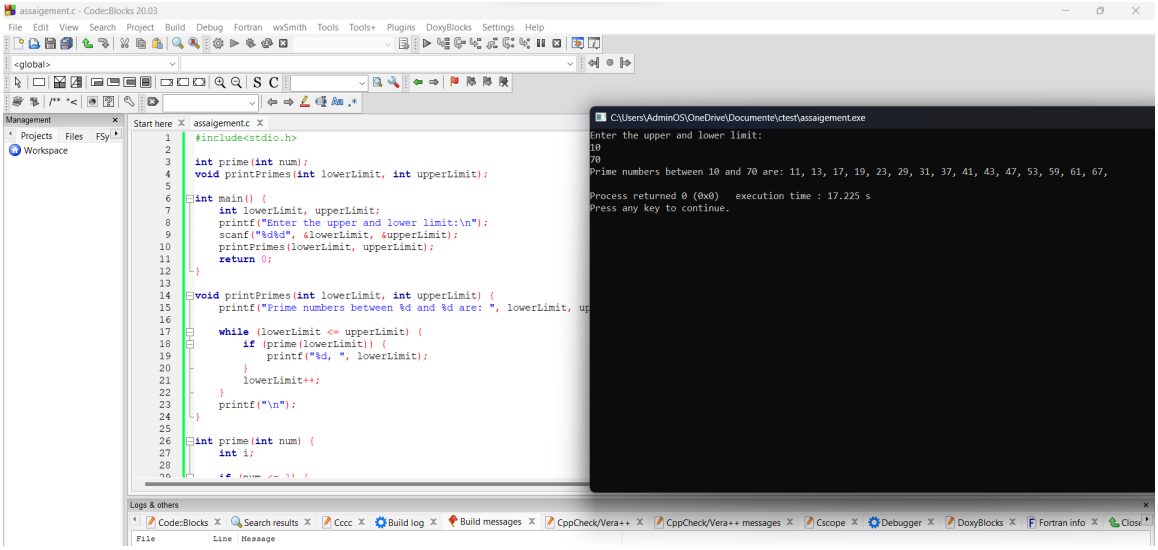
Prob 2 :



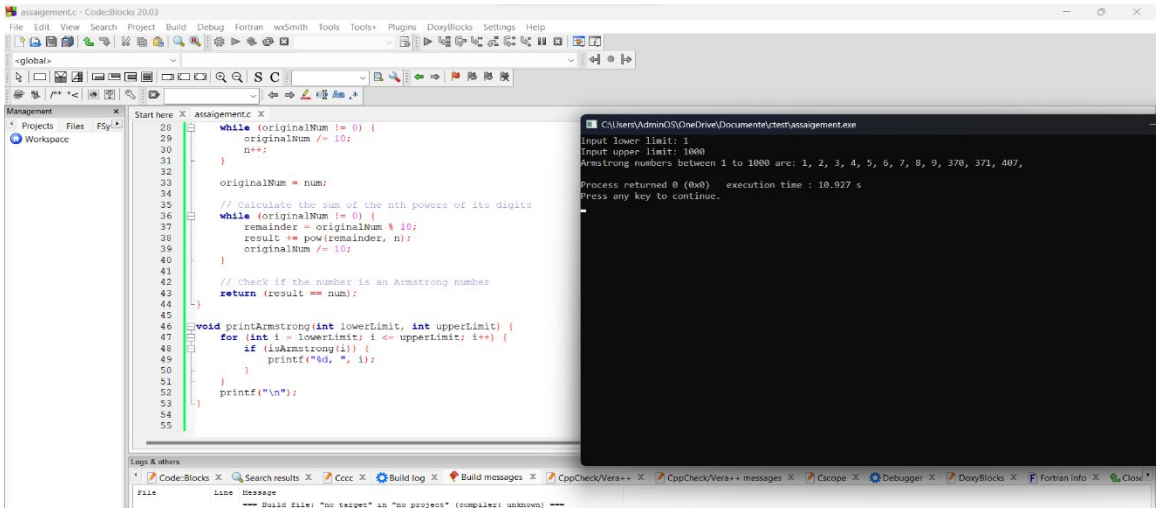
Prob 3 :


assaigement.c - Code::Blocks 20.03
C:\Users\AdminOS\OneDrive\Documente\ctest\assaigement.exe
enter two numbers :
20
10
the maximum number is = 20
the minimum number is =10
Process returned 0 (0x0) execution time : 7.188 s
Press any key to continue.

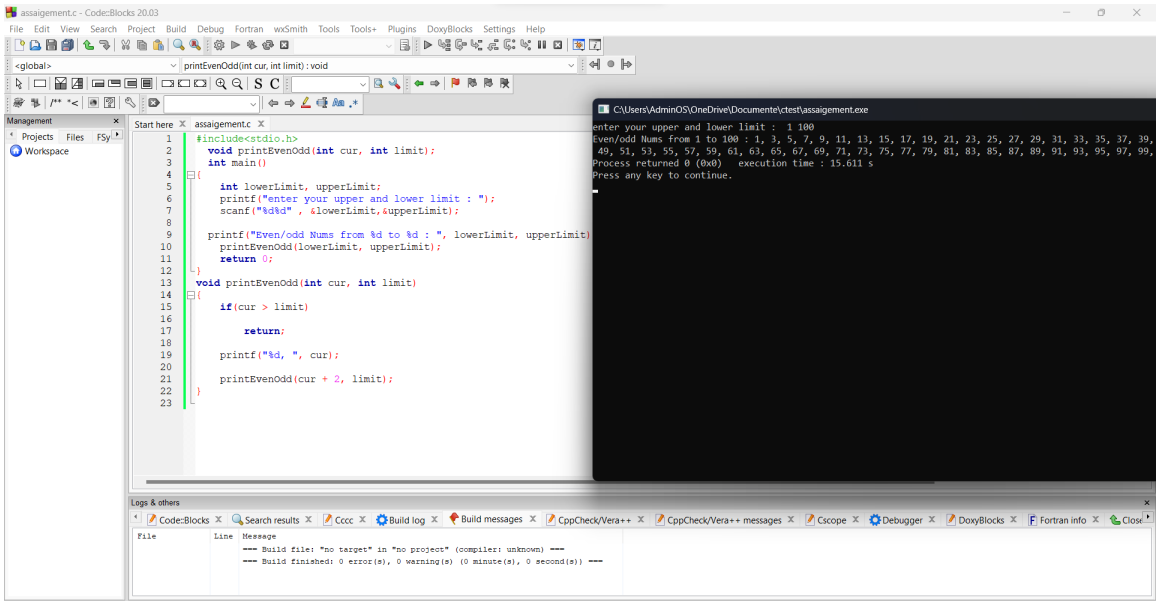
Prob 6 :


assaigement.c - Code::Blocks 20.03
C:\Users\AdminOS\OneDrive\Documente\ctest\assaigement.exe
Enter the upper and lower limit:
10
70
Prime numbers between 10 and 70 are: 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67,
Process returned 0 (0x0) execution time : 17.225 s
Press any key to continue.

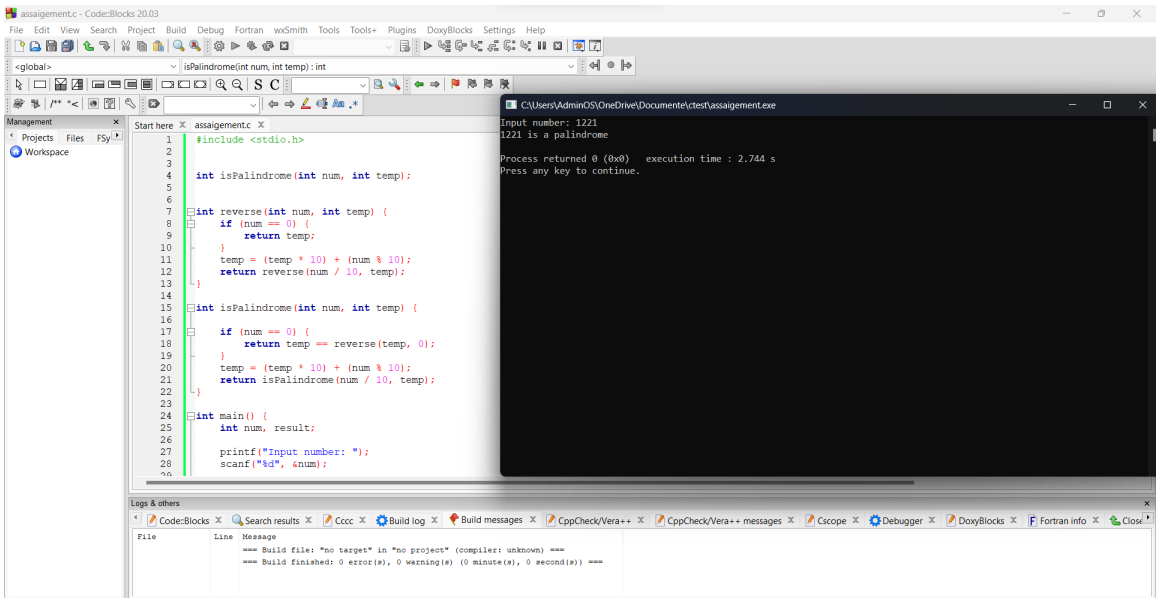
Prob 8 :



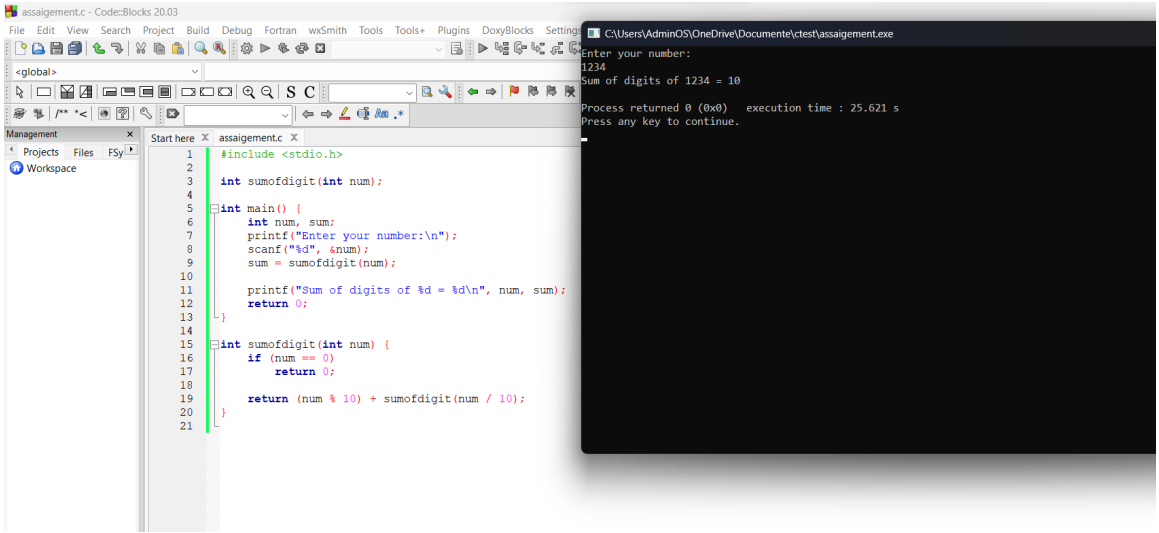
prob 12 :



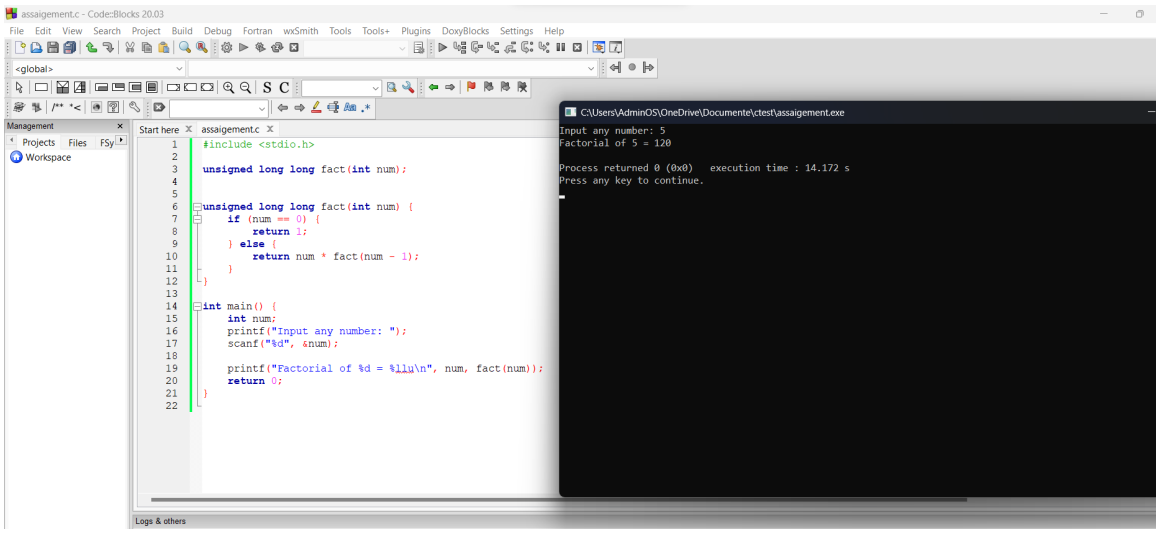
Prob 16 :



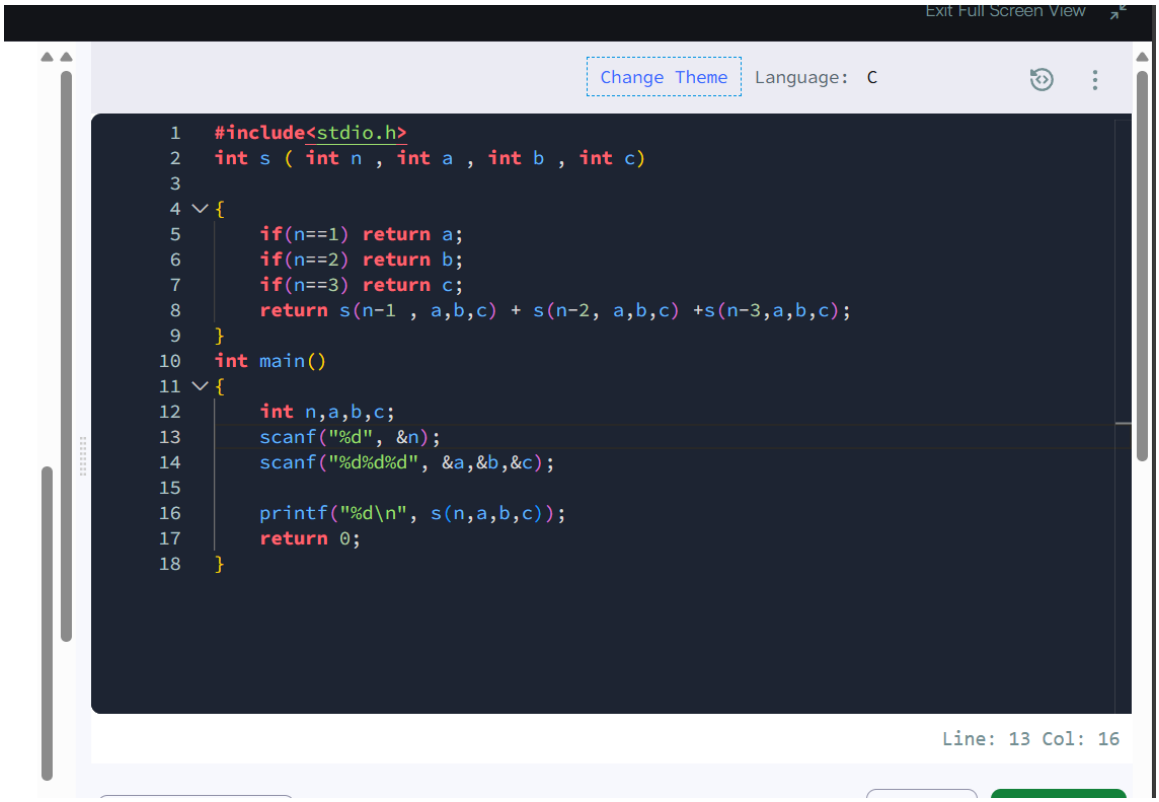
Prob 17 :

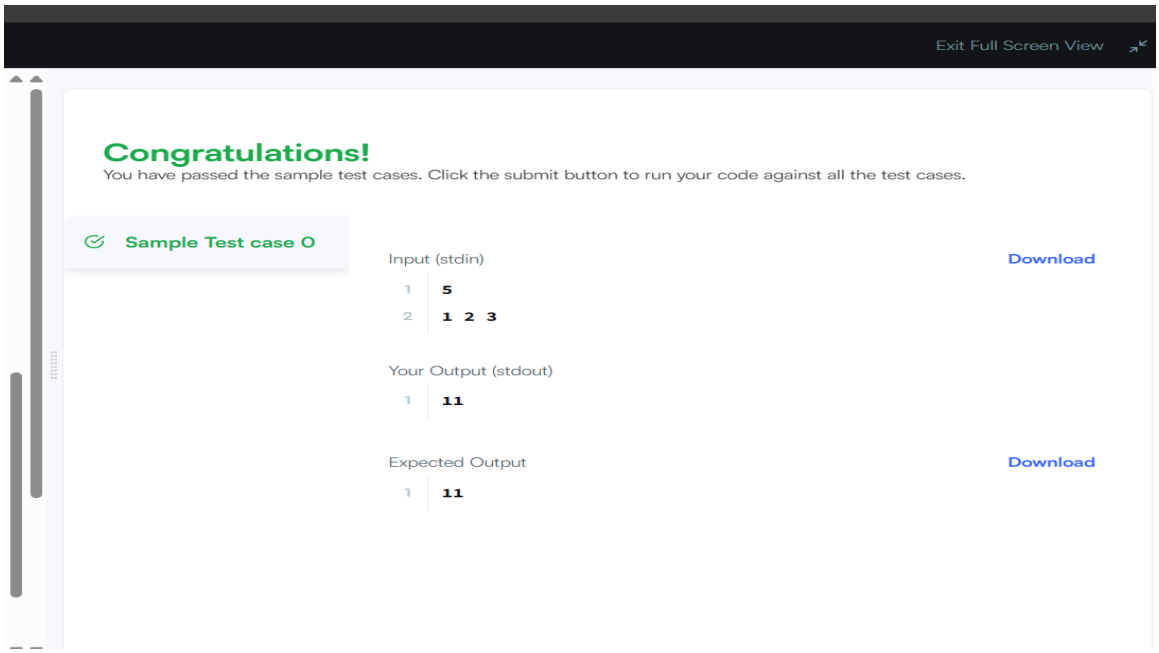


Prob 18 :

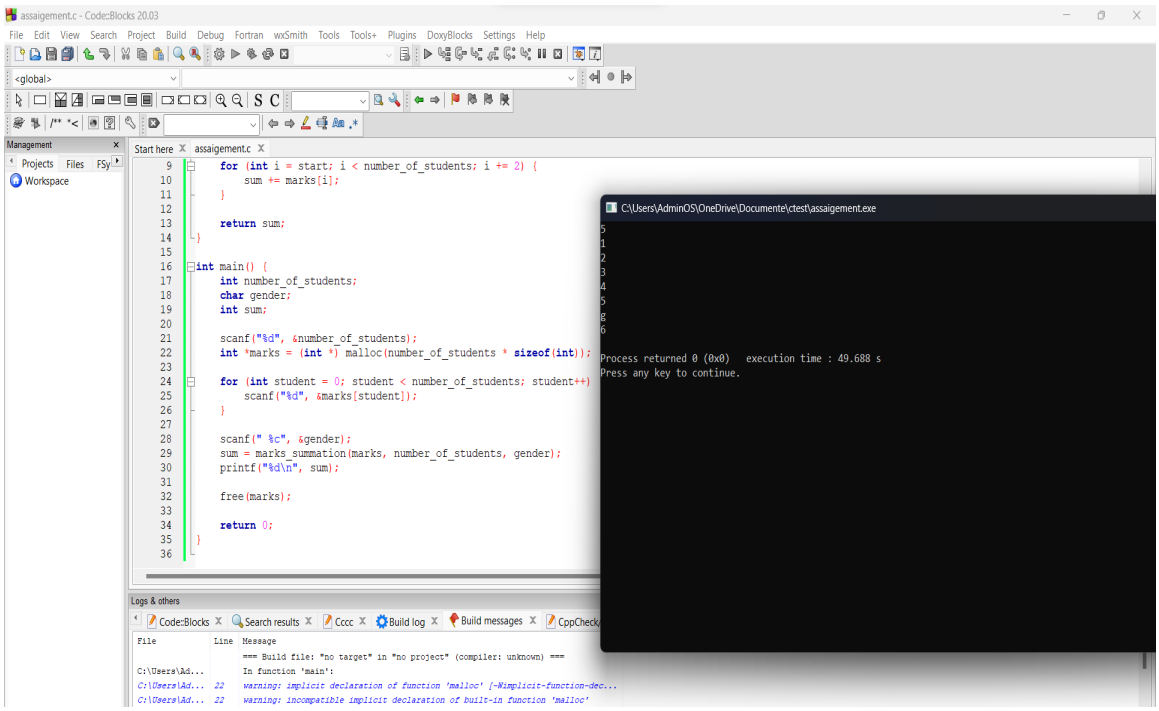

assaigement.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
Management
Projects Files FSy
Workspace
Start here
assaigement.c
#include <stdio.h>
unsigned long long fact(int num);
unsigned long long fact(int num) {
if (num == 0) {
return 1;
} else {
return num * fact(num - 1);
}
}
int main() {
int num;
printf("Input any number: ");
scanf("%d", &num);
printf("Factorial of %d = %llu\n", num, fact(num));
return 0;
}
Logs & others
C:\Users\AdminOS\OneDrive\Documente\ctest\assaigement.exe
Input any number: 5
Factorial of 5 = 120
Process returned 0 (0x0) execution time : 14.172 s
Press any key to continue.

Hacker rank:


Exit Full Screen View
Change Theme
Language: C
#include<stdio.h>
int s (int n , int a , int b , int c)
{
if(n==1) return a;
if(n==2) return b;
if(n==3) return c;
return s(n-1 , a,b,c) + s(n-2, a,b,c) +s(n-3,a,b,c);
}
int main()
{
int n,a,b,c;
scanf("%d", &n);
scanf("%d%d%d", &a,&b,&c);
printf("%d\n", s(n,a,b,c));
return 0;
}
Line: 13 Col: 16


Exit Full Screen View
Congratulations!
You have passed the sample test cases. Click the submit button to run your code against all the test cases.
Sample Test case 0
Input (stdin)
Download
5
1 2 3
Your Output (stdout)
11
Expected Output
Download
11

Problem 2 :


assaigement.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Files FSy
Workspace
Start here
assaigement.c
for (int i = start; i < number_of_students; i += 2) {
sum += marks[i];
}
return sum;
}
int main() {
int number_of_students;
char gender;
int sum;
scanf("%d", &number_of_students);
int *marks = (int *) malloc(number_of_students * sizeof(int));
for (int student = 0; student < number_of_students; student++)
scanf("%d", &marks[student]);
}
scanf(" %c", &gender);
sum = marks_summation(marks, number_of_students, gender);
printf("%d\n", sum);
free(marks);
return 0;
}
C:\Users\AdminOS\OneDrive\Documente\ctest\assaigement.exe
5
1
2
3
4
5
g
6
Process returned 0 (0x0) execution time : 49.688 s
Press any key to continue.
Logs & others
Code::Blocks
Search results
Cccc
Build log
Build messages
CppCheck
File
Line
Message
=== Build file: "no target" in "no project" (compiler: unknown) ===
C:\Users\Ad...
In function 'main':
C:\Users\Ad... 22 warning: implicit declaration of function 'malloc' [-Wimplicit-function-dec...
C:\Users\Ad... 22 warning: incompatible implicit declaration of built-in function 'malloc'