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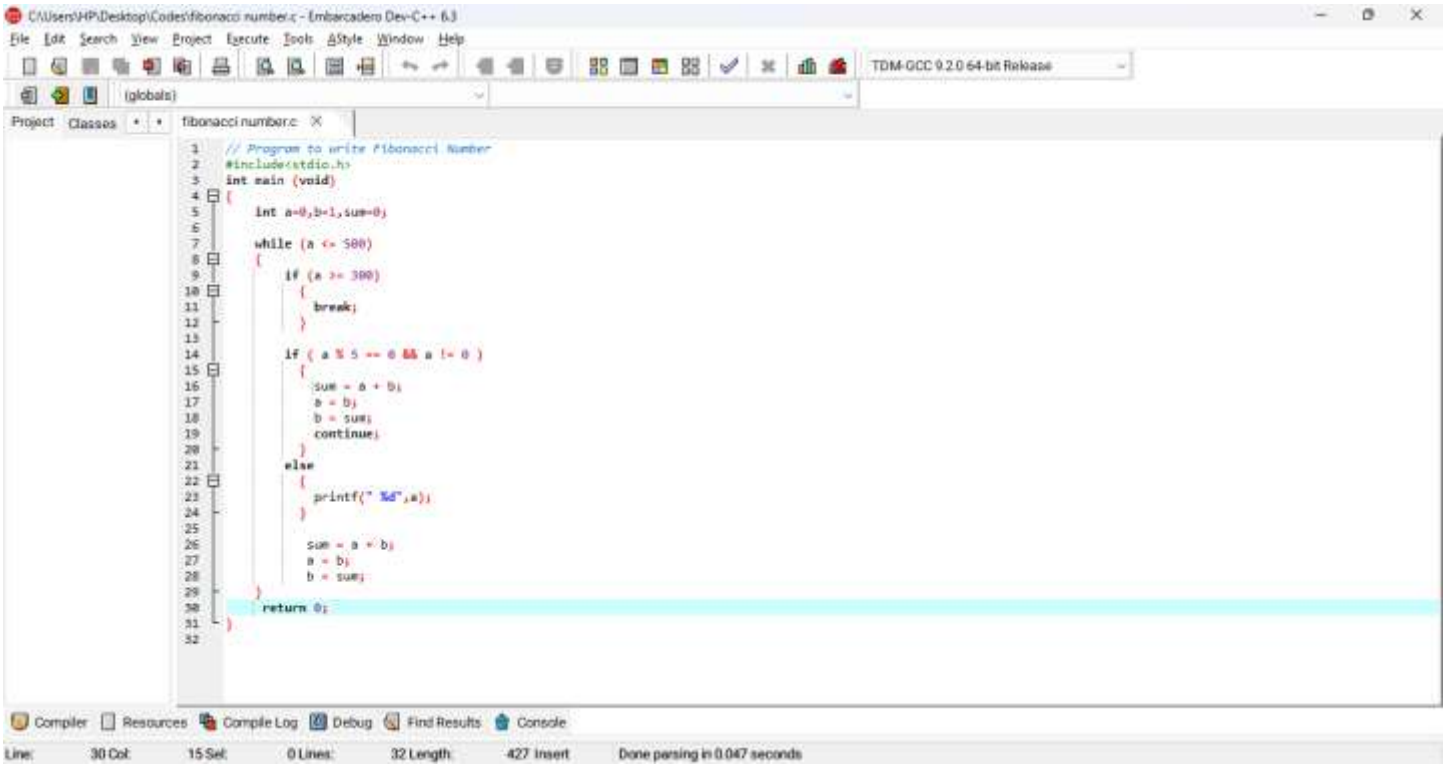
ROLL NO: **CT-25062**
CLASS: **BCIT**
SECTION: **B**

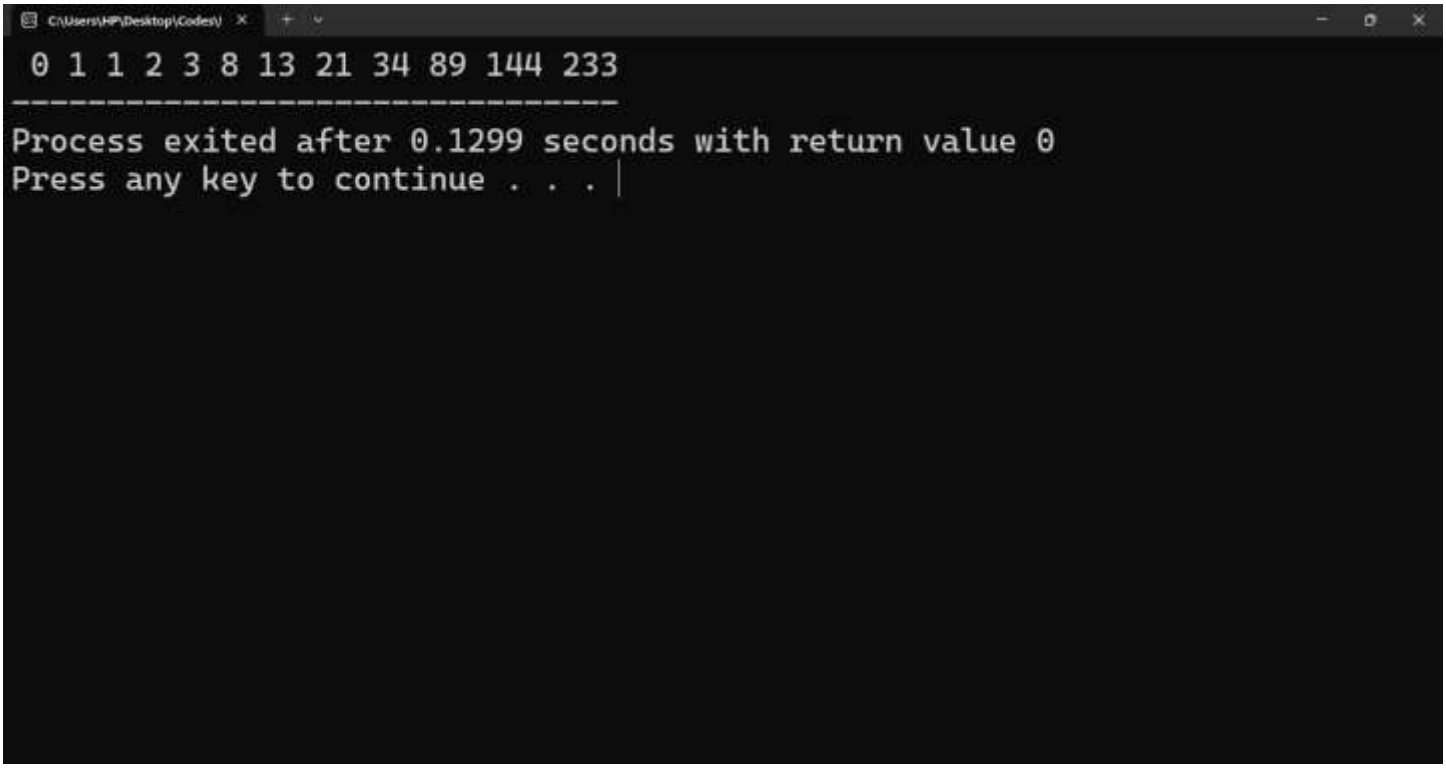
QUESTION 01: **Fibonacci Challenge**

Write a program to print Fibonacci numbers up to 500. Skip numbers divisible by 5. Stop if a number becomes greater than 300. (Hint: Use for or while, along with continue and break.)

SOURCE CODE:



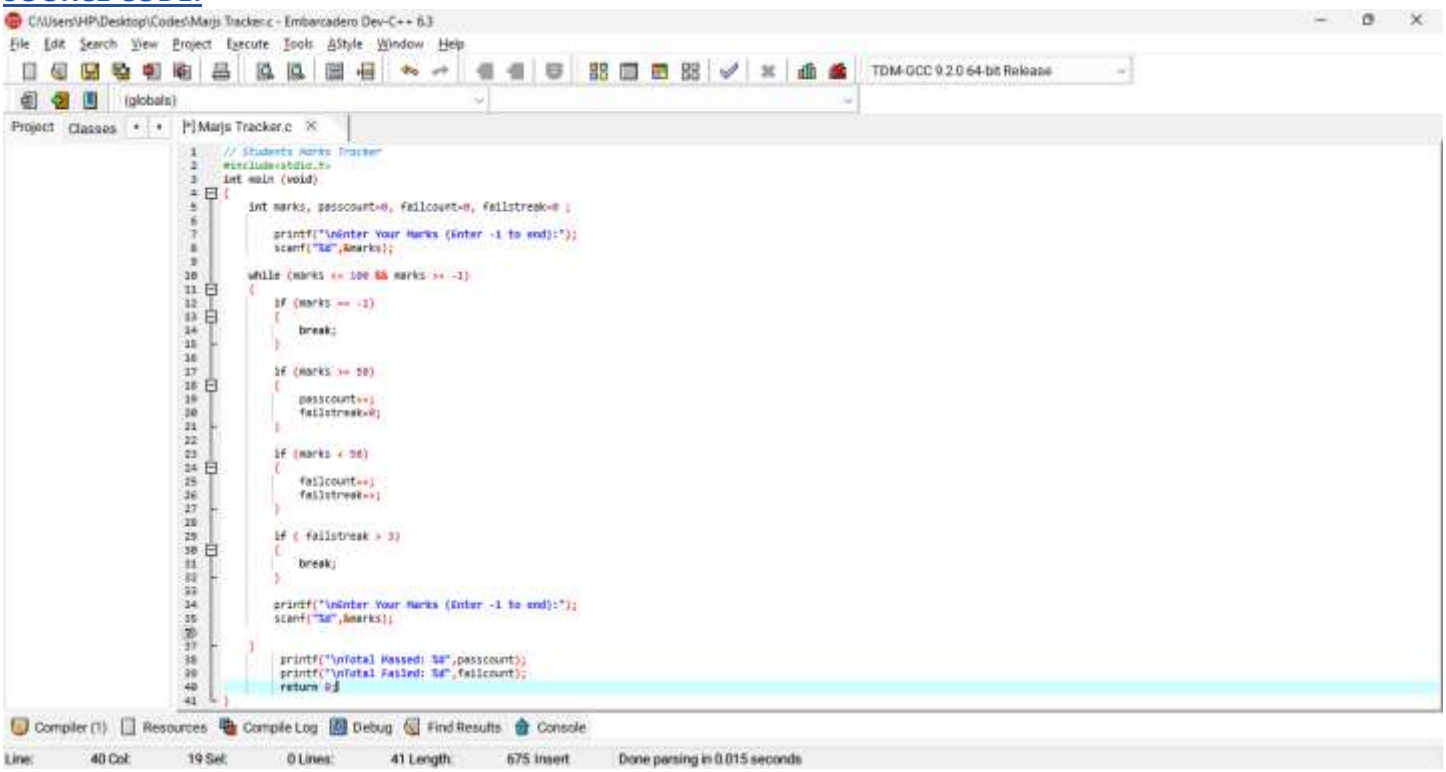
OUTPUT:



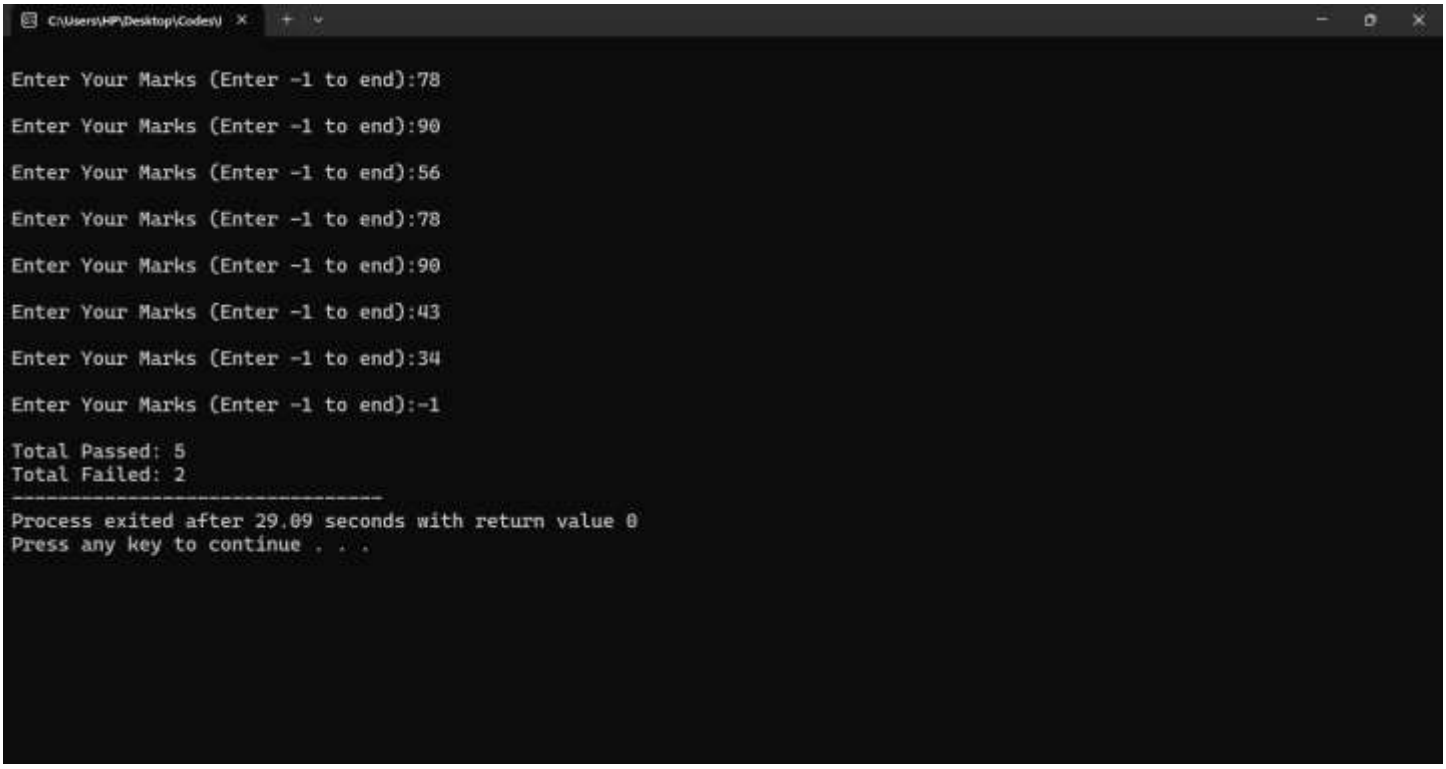
QUESTION 02: **Student Marks Tracker**

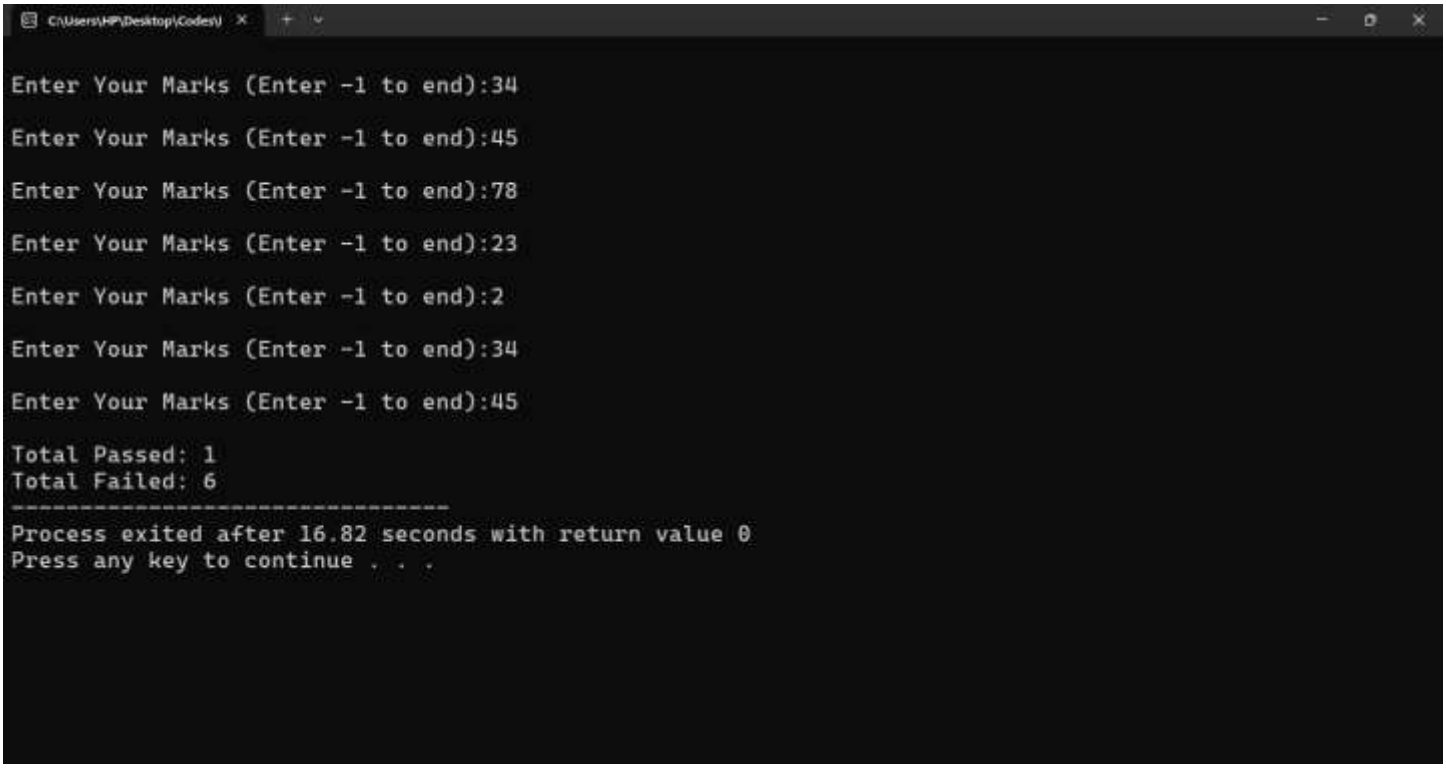
Keep taking marks from user until -1 is entered. Count how many are passing (≥50) and failing (<50). If more than 3 fails are entered in a row → stop input automatically. (Hint: Use while + condition + break.)

SOURCE CODE:



OUTPUT:


C:\Users\HP\Desktop\Codes\j
Enter Your Marks (Enter -1 to end):78
Enter Your Marks (Enter -1 to end):90
Enter Your Marks (Enter -1 to end):56
Enter Your Marks (Enter -1 to end):78
Enter Your Marks (Enter -1 to end):90
Enter Your Marks (Enter -1 to end):43
Enter Your Marks (Enter -1 to end):34
Enter Your Marks (Enter -1 to end):-1
Total Passed: 5
Total Failed: 2
Process exited after 29.09 seconds with return value 0
Press any key to continue . . .


C:\Users\HP\Desktop\Codes\j
Enter Your Marks (Enter -1 to end):34
Enter Your Marks (Enter -1 to end):45
Enter Your Marks (Enter -1 to end):78
Enter Your Marks (Enter -1 to end):23
Enter Your Marks (Enter -1 to end):2
Enter Your Marks (Enter -1 to end):34
Enter Your Marks (Enter -1 to end):45
Total Passed: 1
Total Failed: 6
Process exited after 16.82 seconds with return value 0
Press any key to continue . . .

QUIZ ANSWERS:

(1) c) do-while loop

(2) b) 4 5 6

(3) b) After the loop body is executed

(4) b) continue

(5) b) for(i=0; i<5; i++)

```
{
   for(j=0; j<3; j++)
       { statements; }
 }
```

(6) True

(7) False

(8) False

(9) False

(10) a) 1 3 5 7

(11) a) Missing closing brace }

(12) b) Semicolon after the inner for loop terminates it prematurely