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Department	BS(Software-Engineering)	
Paper	Programming Fundamental (Lab)	
Submitted to	Sir Fazal-e-malik	

Paper :	Programming Fundamentals (Lab)		01/October /2020, 09:00 am
Program:	BS (CS & SE)	Uploading Date and End Time:	04/October/2020, 12:00 pm
Teacher Name:	Dr. Fazal-e-Malik	Marks	100



Iqra National University Peshawar Pakistan Department of Computer Science

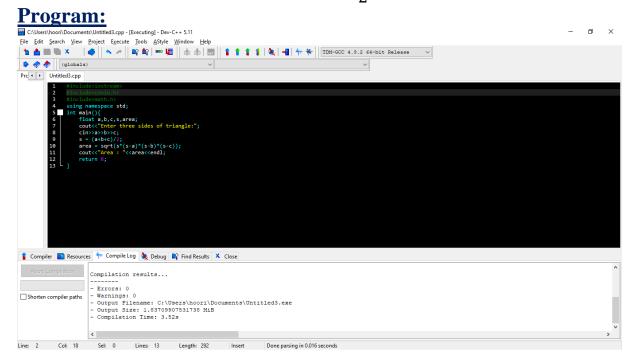
Summer Semester (Lab Paper), Final Term Exam, September 2020

Note: Attempt all Questions.

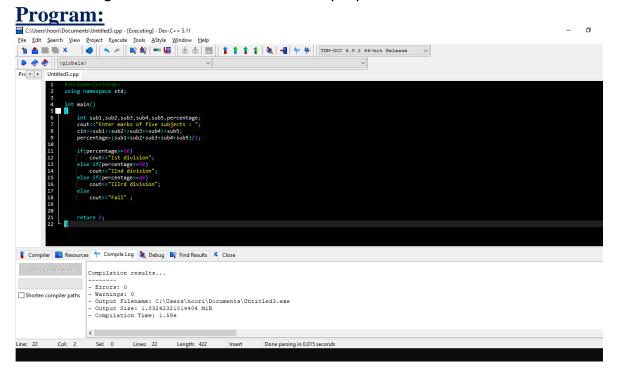
 $Q.\,1$ Read A, B and C representing the three sides of a triangle. Write a program to find out its area the formula is given below:

Area =
$$\sqrt{S(S-A)(S-B)(S-C)}$$

Where $S = \frac{A+B+C}{2}$



- Q. 2 Write a C++ program to get marks obtained by a student in percentage **P** and then find the division according to the below rules:
 - If Percentage P is above or equal to 60 then display......1st Division.
 - If Percentage P is between 50 & 59 then display......2nd Division.
 - If Percentage P is between 40 & 49 then display......3rd Division.
 - If Percentage P is less than 40 then display......Fail.



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□ C\Users\hoon\Documents\Unitled3.exe — □ X

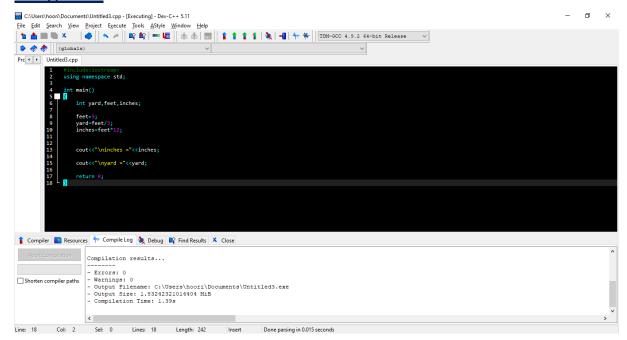
Enter marks of five subjects : 75
83
78
96
44
1st division

Process exited after 24.23 seconds with return value 0

Press any key to continue . . . □
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Q. 3 Write a C++ program to convert 5 feet to the equivalent number of (a) Inches (b) Yards. Where 1foot =12 Inches and 1 yard=3 feet)

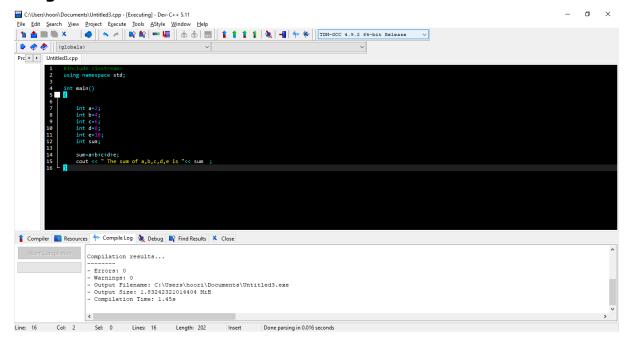
Program:

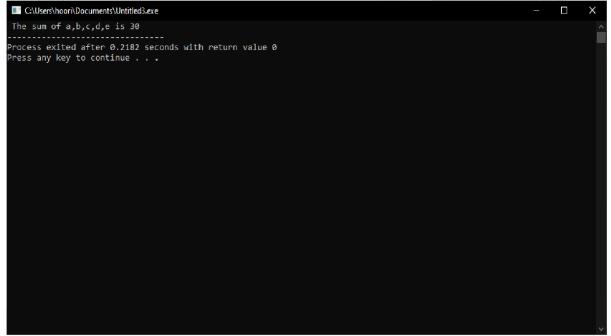


Q.4 Write a C++ program to find the sum of the following series:

2+4+6+8+10

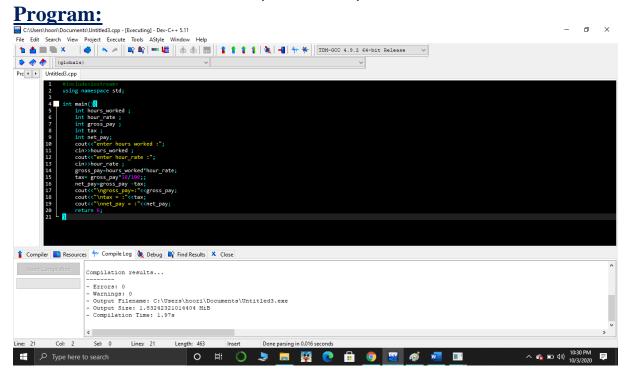
Program:





Q.5 Write a C++ program to input Hours Worked and Hour Rate of an Employee. Calculate and display the Gross-Pay, Tax and Net-Pay; where

Gross-Pay=Hour-Worked*Hour-Rate Tax=10% of Gross-Pay Net-Pay=Gross-Pay – Tax



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Note:

- 1. I have already uploaded a 20 Marks assignment. If a student does not upload then he/she will get Zero marks out of 20
- 2. Write the answers in MS Word or hand written in scanned PDF Form in one documents and do not send in Zip Form
- 3. Please write your Name and ID on top of your answer Paper otherwise you will get zero marks.