Monday
15/11/2021

PSG College of Arts and Science (Autonomous)
II nd CA Test
C- Programming

20BEL523
Rahul. G

1) Write a program to solve a quadratic equation for all types of roots

Aim:

To create a program to solve a quadratic equation for all type of roots.

Algorithm:

Step 1 : Start the program

Step 2 : Declare the variables a, b, c, determinant, root1, root2

step 3 : If Determinant > 0 , roots are real

step 4 : If determinant = 0 , roots are real and equal

step 5 : If determinant < 0, roots are imaginary

step 6 : End the program

Result:

The Coding is compiled and output is verified

2) Write a program to create a structure of student's worksheet.

Aim:

To create a program to create a structure of student's worksheet.

Algorithm:

Step 1 : Start the program

Step 2 : Declare the variables

step 3 : Enter first name for roll number 1

step 4 : Enter marks for roll number 1

step 5 : Enter first name for roll number 2

step 6 : Enter marks for roll number 2

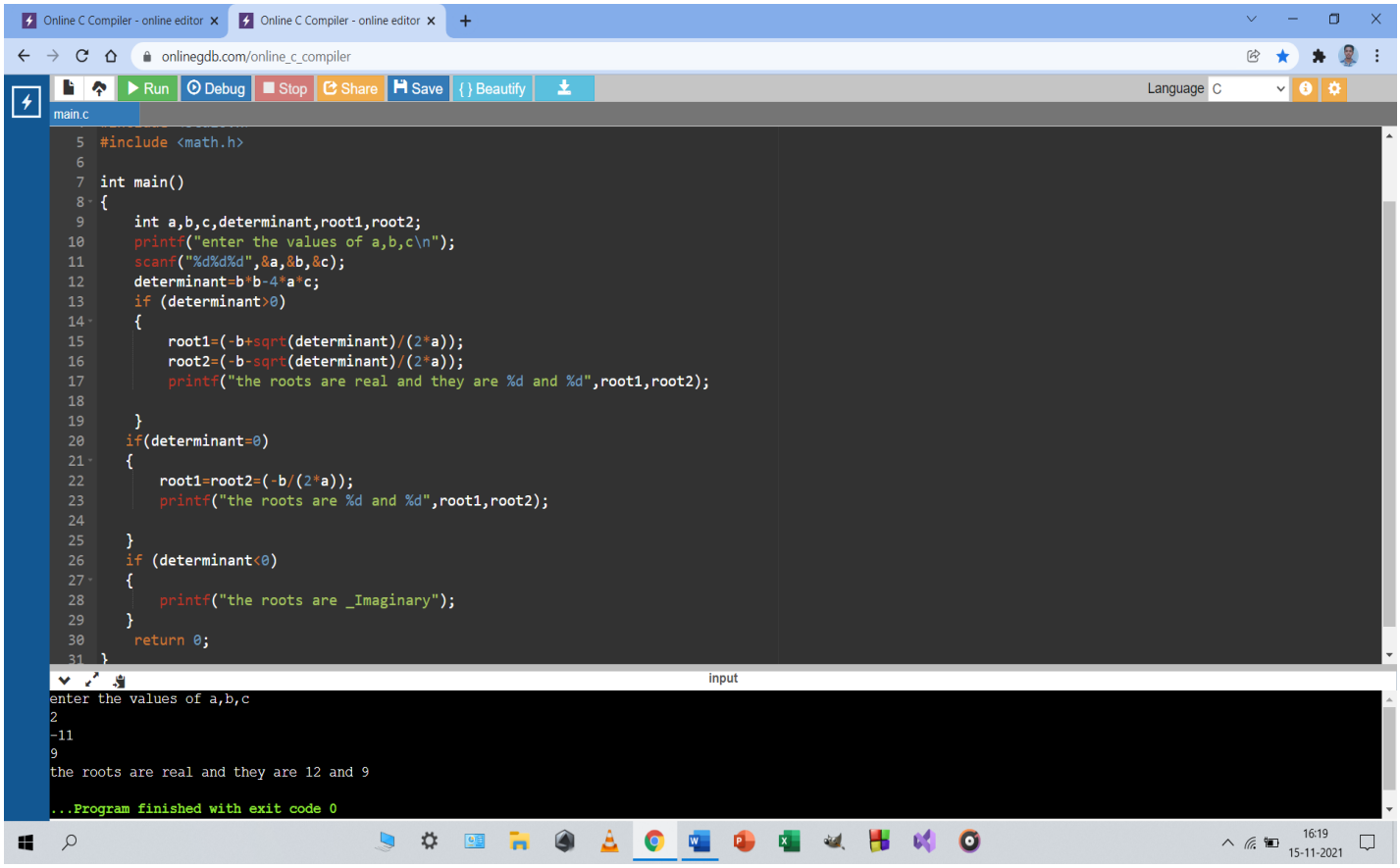
step 7 : Generate the worksheet

Step 8 : End the program

Result:

The coding is compiled and output is verified.

Quadratic equation:



Student worksheet: