GRAPH PLOTTER

Hello friends I am sarvesh hire form IIT BOMBAY.

In this video I will tell you how to install and run the program which is made by our team in the cs101 project which is call the graph plotter.

First you have to open your browser and download this file. After download this file you open this. You extract this to a some destination. I selected desktop. It is already there.

Now after I open this file it contains four file. First is the final presentation which contains the slides of the which presented in class. This is the final report which contains all the main details of this program and this is the basic code of the program which will actually run the graph plotter.

This is read me file which contains all the basic instructions to install the program for running this. I open this . Then you have go to this website. This is the site. You have to click here to install the simplecpp novice version. After install this run this program. This is the code blocks and this contains code of our program. Now I will tell you how to run this program. This is option for build,run and this is the option for compile and run. So I will compile and run . You are provided for three options. You have press 1 for use the normal graph plotter and press 2 for use the quadratic and cubic equation solver. First I will show you how to use the normal graph plotter. I will press 1. Now it ask for the range of x. So whatever range I put the graph will plot in that range. If I put range of 3.14. The graph will plot from -3.14 to 3.14. Now the graph plotter will laod with function available.

This are the basic function which will have to plot the graphs. Here is graph will be plotted. For example if select the graph of sinx. Just click on this button. See there are instructions given here,click on the options below to make your functions in appropiate order. If I select sin and draw the graph of sinx. This graph will be drawn. We have wait for graph to be plotted. Then if press cos ,the graph will be drawn of cos(sinx).if I press sec then sec(cos(sinx)) graph will be plotted. If I press (dy/dx) then graph of six will be plotted. For exit click on button of exit.

In order to use the quadratic and cubic equation solver. We have press 2 . Then We have to press 4 for quadratic equation solver and press 5 for cubic equation solver. I will press 4 . In order to solve quadratic equation enter the value of a that is say 1. Enter value of b 1 again. Enter the value of c 1. The roots are real and different .

Now if I want use cubic equation.so press 2 sor use the equation solver. Then I have to press 5 for cubic equation. Then enter the value of a as 1. If I enter the value of b as -3. If I enter the value of c as 3 and d as -1. The roots real and equal and roots are 1,1,1. What I entered basically (x-1)^3. So that is showing that roots are real and equal which is 1.

This is our basic program for plotting the graph and solving eqautions of degree 2 and 3 polynomials.

This is our basic project. If you want to understand more than you can read the instruction which are provided in read me file .

As well as you can view this video again and again and read this read me file to.

Thank you

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