MATLAB Programming For Numerical Computations
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Introduction to MATLAB programming – Help video for assignment submission

Hello and welcome to the official first day of this course on MATLAB programming for numerical computations. Today I am going to give you a small help video on how to submit assignments. The first assignment, the assignment for module 1 has been posted on the web. And we will see that there are 2 assignments that are posted.

The first one is the place where I have posted the assignment problem and where you will also submit your MATLAB codes. Over here some of the results that we generate in the MATLAB code are going to be inserted in this spaced that are provided. So first let us go and look at problem statement okay. So here this is going to be the format in which we will put all our assignments. First one is we will have a problem statement. So we can click over here to take a look at the problem statement.

Now we have 4 assignment problems, the text in red tells you what should be the name of the file, these are the files that you need to upload, I will come to that in a few minutes okay. So for the first problem you have to upload a file called demo problem.m. Save it as demo problem.m itself not with any other name. Likewise you will have to do the same thing for each and every of the assignment problem.

So the first problem is something that I will solve over here and I will show you how to do this. The first problem is for x in the range of 0 to 1 in steps of 0.1 we have to calculate x multiplied by e to the power - 2x. We then, have to find out what value of f(x) is the maximum value. We then find out the x value at which f(x) is maximum. This x value is reported in the variable result.

So let us go to MATLAB and take look at the file. What I have done already is created all the 4 files that I required to solve the 4 problems. The first problem is demo problem. So, let me done this and show you okay. So if I type result, I will see that the result is 0.5 that is the result the time need to provide in the quiz assignment 1 section that the second link.

We will come to that in a minute. Now we are using MATLAB online this is what you meet instead. And that I will create a file. So, let say edit, demo problem, assignment 1, problem 1. x = 0, 0.1, 1, f(x) is x multiplied by -2 multiplied by x. So, x is a vector and these guys also vector so the product would be in 2 vector should be element by limit multiplication.

So we need to have a.* y. So, we can say max f idx = max f .That will give us the max value of f of the vector f as well as the index f as which that occurs. Variable result equal to x idx .So idx is the index at which f is maximum and xidx will extract the value of x at which that maxima in f occurs we run this. So when we done again we can see that the result we get is 0.5 okay.

So, now that we have completed this problem. We need to download it on our local drive. I will highlight this and click on this download link. Once I click on that the file will get downloaded. I can click and showing file and we can look at the files. So these were recall the files that I had generated using my desktop version of MATLAB. And this was the file from the online version.

So let me just rename this as desktop, we will not submit that file and this I will rename it as demo problem. So this is the file that we want to submit. And create a zip file okay. Now so that zip file created I need to go to the next step okay. So now we have the zip file that is looks at what we need to do the next. what we need to the next is upload the zip file on Google drive and then share this file and post the file id in the text box below.

What that means is I will go to drive.Google.com; create a new directory called MATLAB assignments. In this new directory, I will drag and drop this assignment. zip, assignment1. zip. Once that is get uploaded I will right click on this and click on share okay. When this comes up, click on this advance button and you need to make this not private but it should be sharable with anyone who has a link. So click on share with anyone who has the link. We will get access, no signing required okay. And save this.

Now click as done over here. Right click and click on get link. Once we can get link, we can copy the link that is provided and open a text editor and paste this link over here. And what we

need is that part that comes after the equal sign. So we need to copy that part and paste in the text box that is provided over here. So let us go and do that so, we have copied it.

We will just look enroll and we will click on submit okay. Once we click on submit, we will get something like this submission succeeded. So we have completed the first 2 steps that is to do assignment and to upload this is a file in the Google drive okay. These 2 steps are not enough. What we also need to do is, to submit the results that we get in the results section the way we can do that is, we can click on the link over here.

Or there is another way to do on this side okay. You can click on this quiz assignment 1 submit MATLAB results link over here both these links are one on the same. So you will see that for each of the problems that we have we are expected to report the results. So for this particular problem what we needed to submit was the value of result. So let we just type this and get this value. I will just copy this control c and paste it over here okay.

And I will just go to the bottom and once I have put all the values all the values of the results that I want, I can go and click on and submit answers okay. For this particular assignment, just to help you guys get acquainted with the way we submit. We also has to check answers option that we have allowed. So if you click on check answers, you will see that score out is 1 out 4.

We have submitted only 1 problem and we have got 1 out of 1 point okay, which means that this answer is correct. You can click on submit answers. Once you to do that, your answer is submitted. You can then go back to course page and continue viewing the course okay. So, to summarize what is needed is first you go on and click assignment link, download the problem statement, do the problems, create as a zip file and uploaded on Google drive.

And finally the most important step that you need to follow is, to submit your results in this results section. So that will be able to grade you appropriately without the step of submitting the MATLAB results. In the results section you would not get credit a grade for the work that you done in the assignment. Thank you and I hope you will have a lot of fun doing the assignments in this MATLAB course. Bye. (Video Ends: 10:07)