**MATLAB EXERCISE -6**

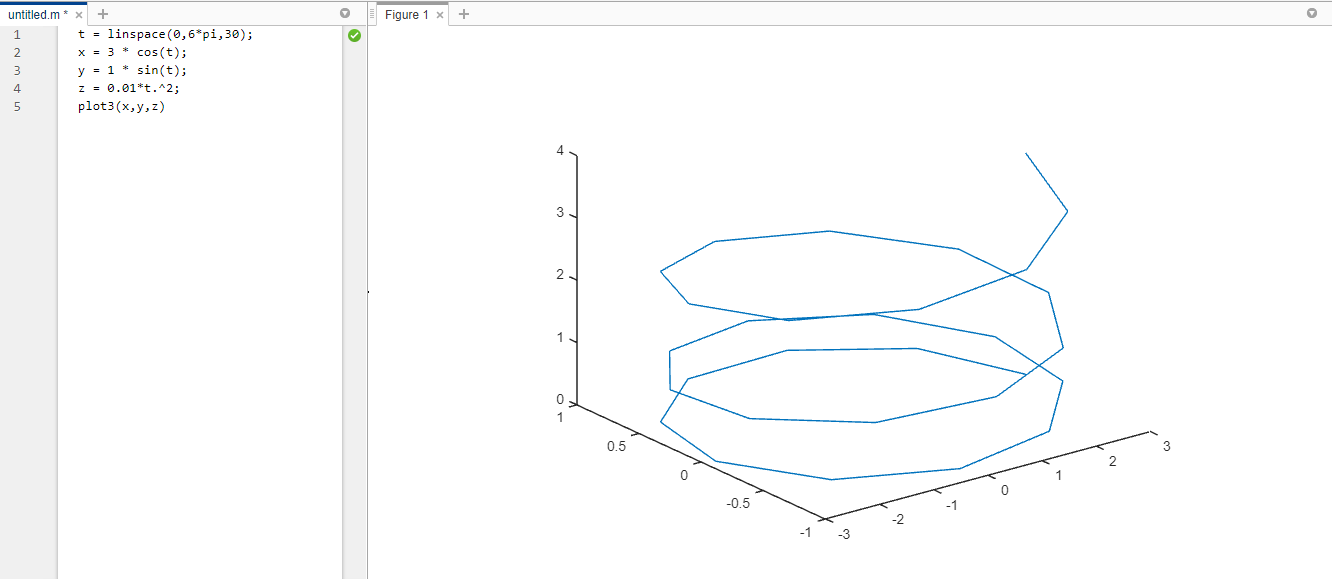
Anusha Garg

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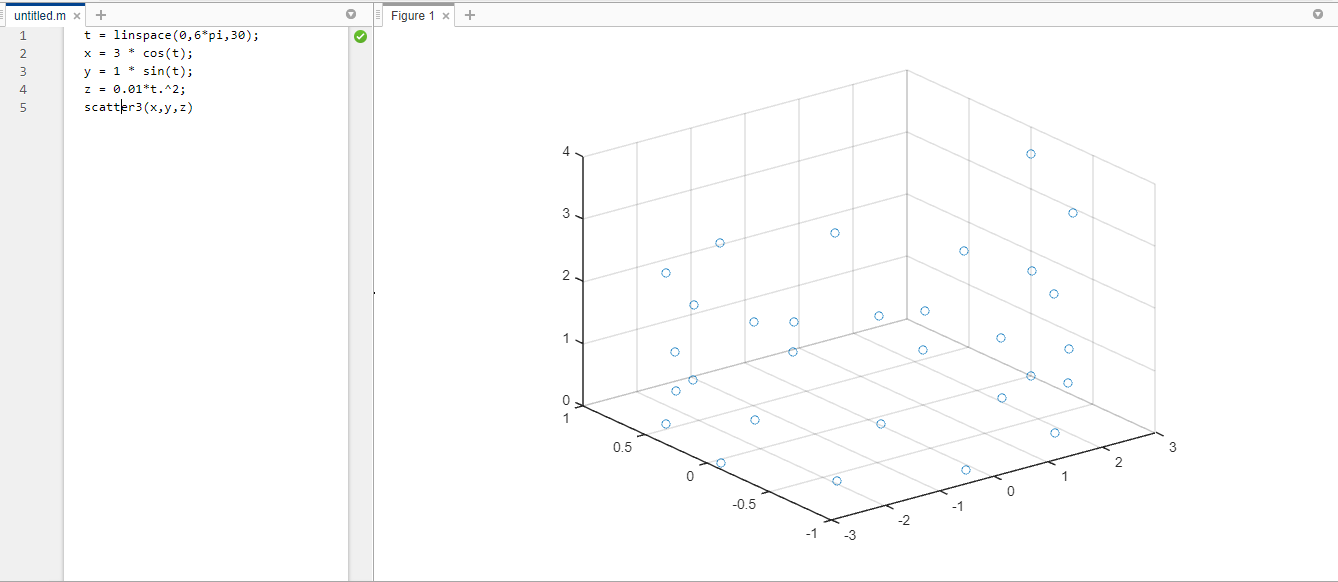
**QUESTION1:**  Try outs : x= [ 1 2 5]; y= [2 3 4]; z=[7 8 9] -- (1,2,7 ; 2,3,8; 5,4,9 ) include : z label.



**QUESTION** : 2 t=linspace(0,6\*pi,30); x=3\*cos(t); y=1\*sint(t) ; z= 0.01\*t .^2; Use plot3(x,y,z) or plot3(x,y,z,’mo’).



**QUESTION : 3** Scatter3 : Replace scatter3 in the place of plot3 and infer the difference**.**



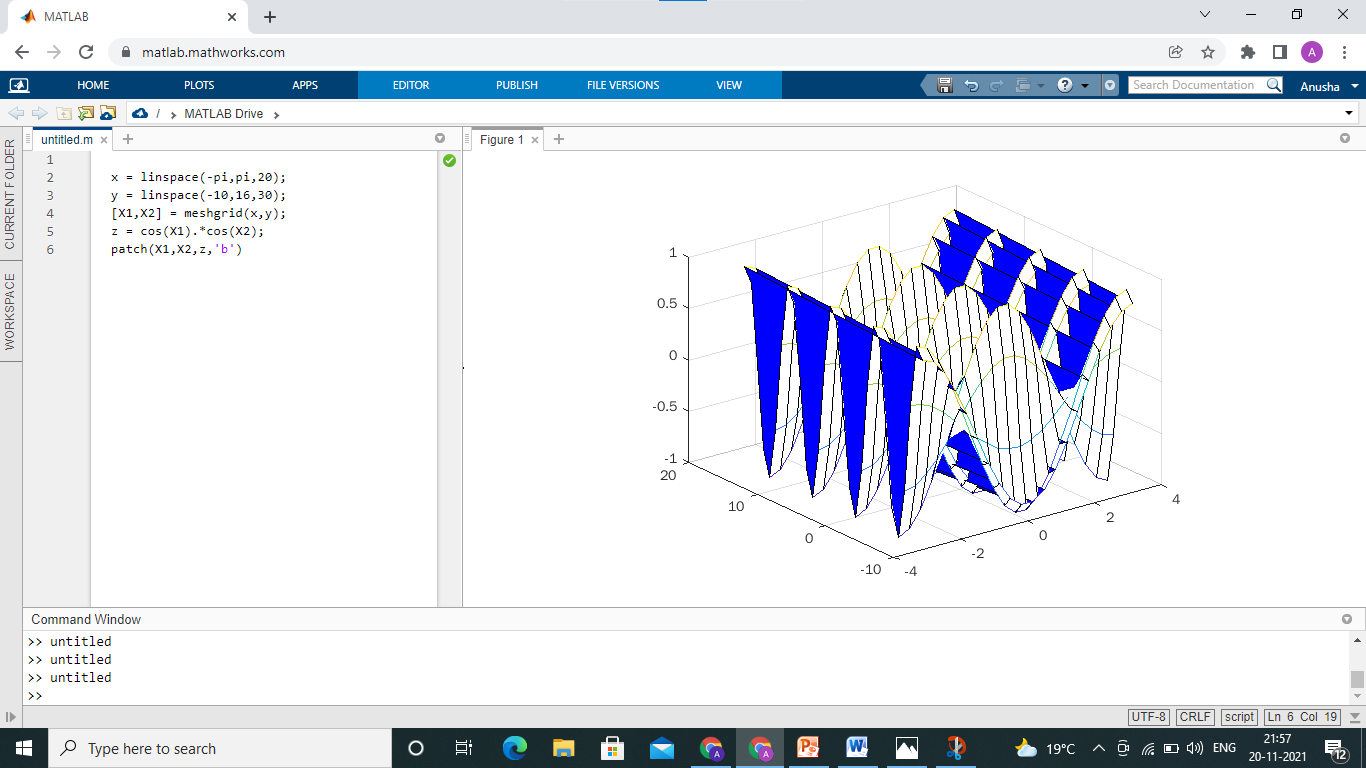
**QUESTION :** 4 In the above replace x,y and z with the following :

x=linspace(-pi,pi,20);

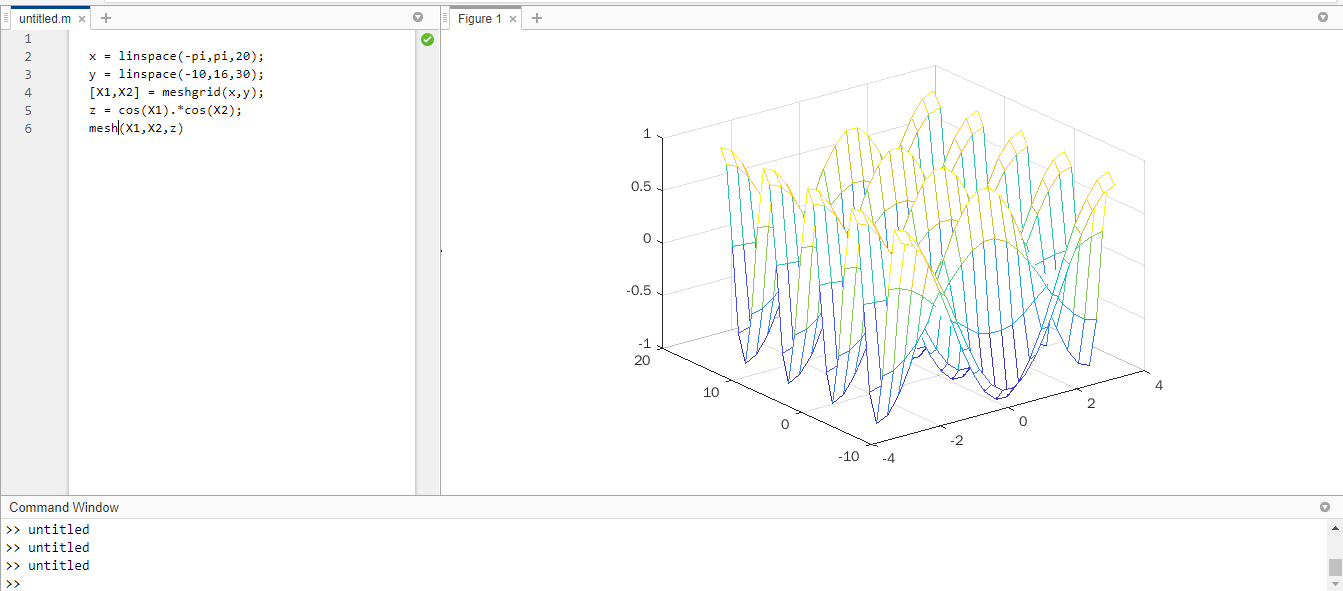
y=linspace(-10,16,30);

z=cos(X1) . \* cos(X2);

Patch :

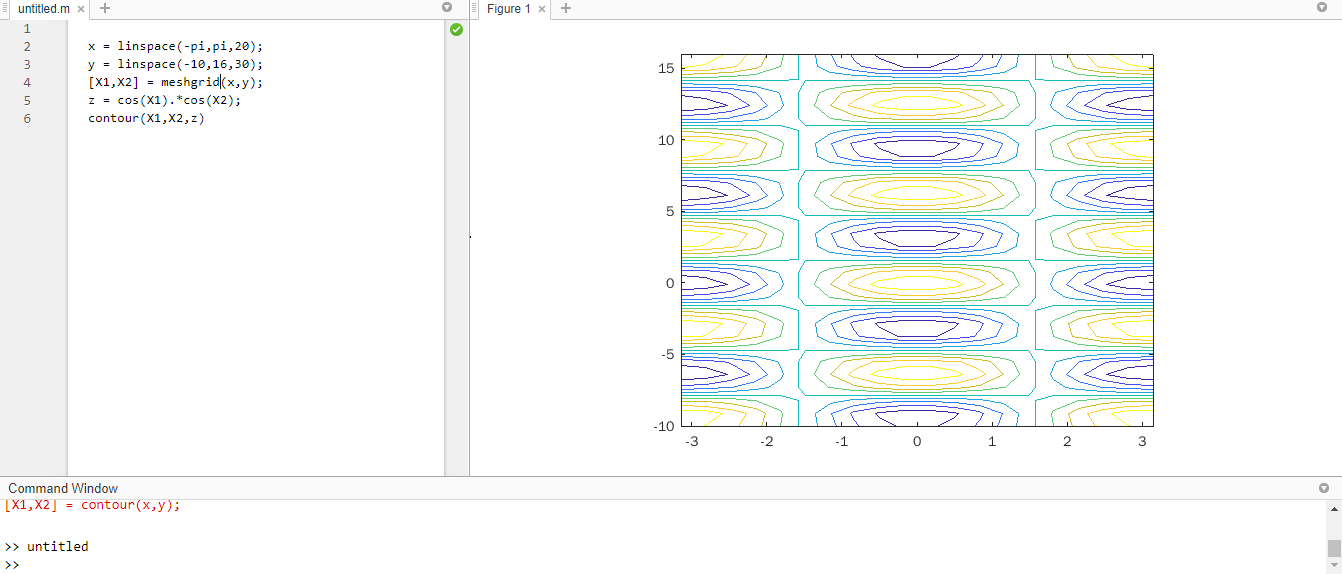


Mesh:

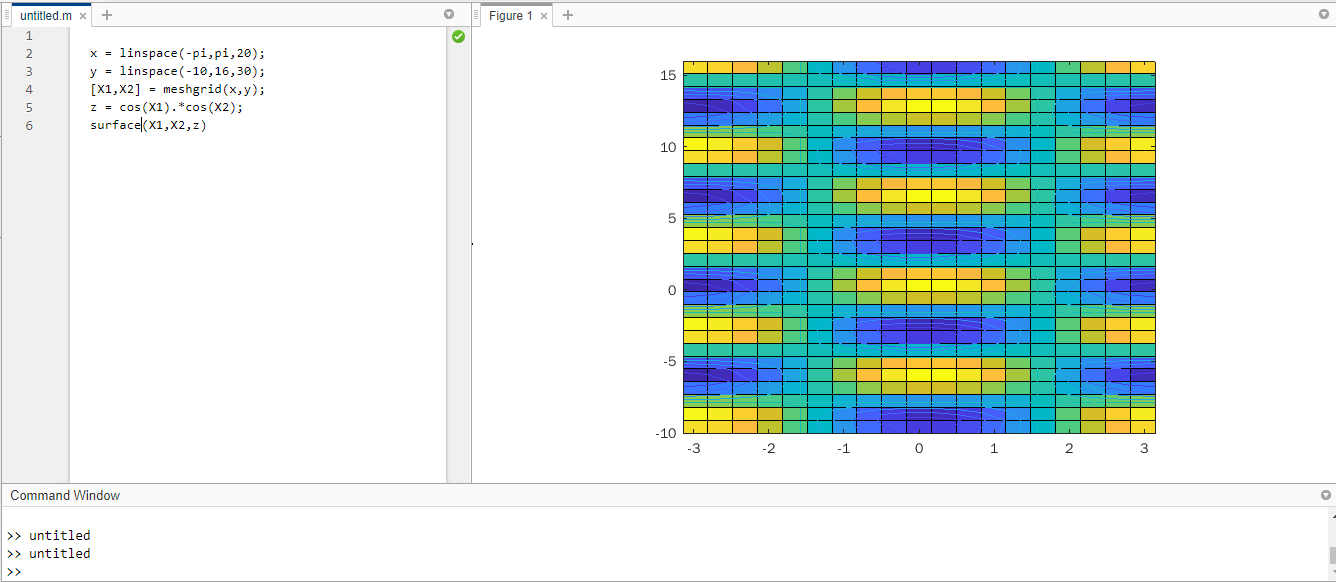
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**QUESTION : 5** Replace the mesh function with contour, surface, surfc for the above mentioned data.

Contour :



Surface :



Surfc :

