

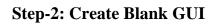
Matlab Command :- Class-4



Matlab -Graphical User Interface

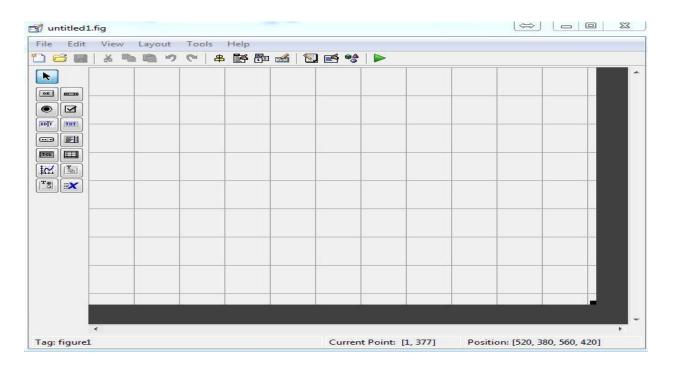
Step-1: Create New GUI Window

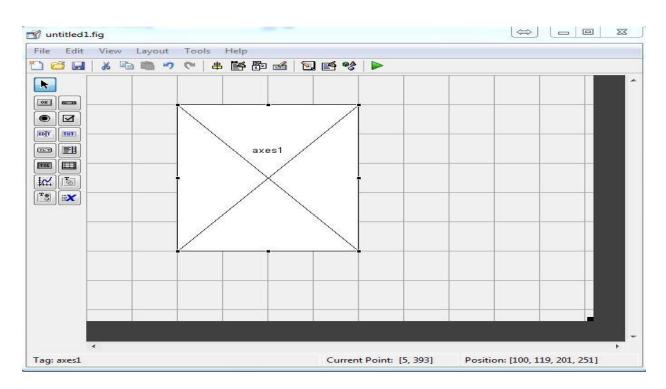
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2 C:\\Desktop\class4_m.m			
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GUIDE templates	Preview	
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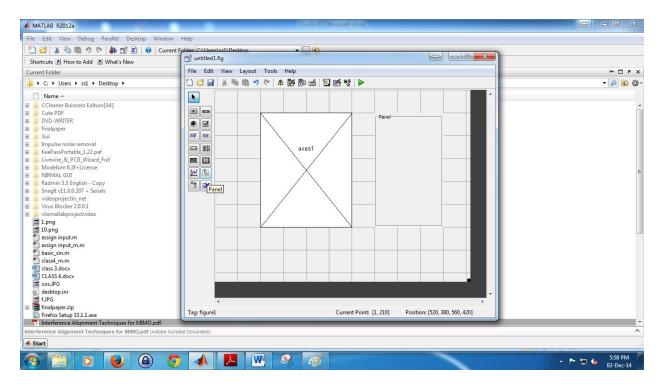
Step-3: GUI Window

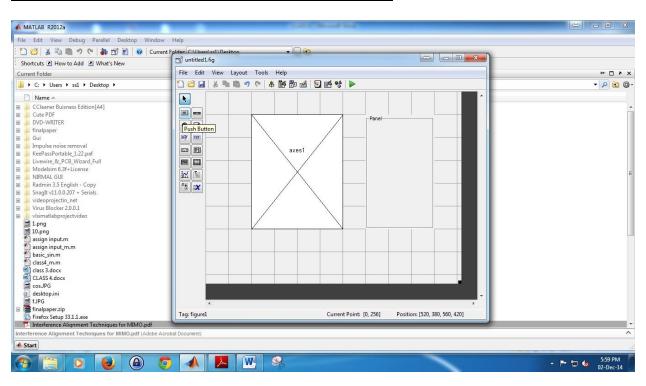




Step-4: Create Axis in GUI Window

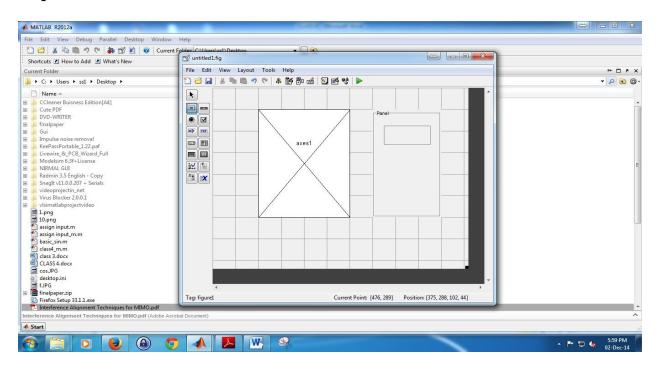
Step-5: Create Panel for Switches

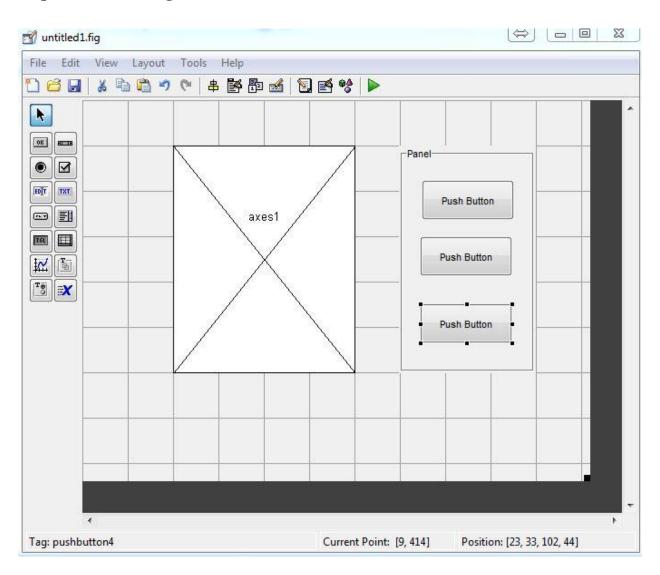




Step-6: To Create Buttons for Getting Concern O/P

Step-7: Placement of Buttons In Panel



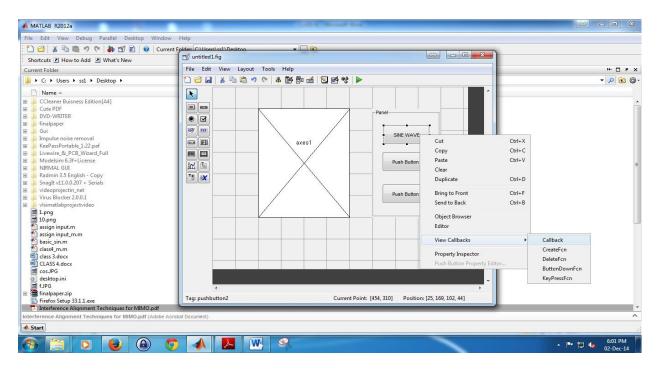


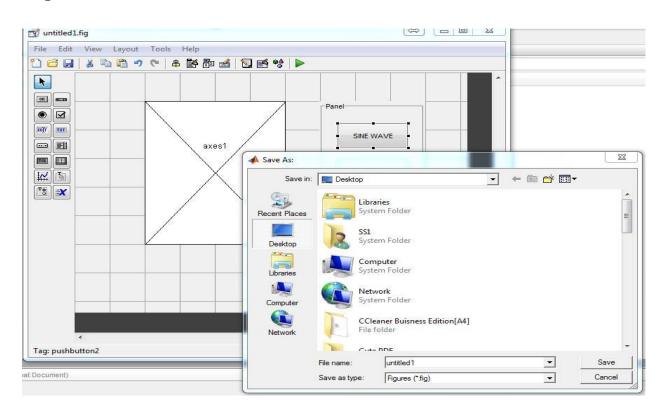
Step-8: After Placing the Buttons Double Click the Buttons to Edit It

Step-9: Editing the Buttons

②↓ 元本 = ↓	
BackgroundColor	
BeingDeleted	off
BusyAction	queue
ButtonDownFcn	
CData	[0x0 double array]
Callback	缓 %automatic
Clipping	on
CreateFcn	
DeleteFcn	
Enable	on
Extent	[0 0 12.2 1.462]
FontAngle	normal
FontName	MS Sans Serif
FontSize	8.0
FontUnits	points
FontWeight	normal
ForegroundColor	
HandleVisibility	on
HitTest	on
HorizontalAlignment	center
Interruptible	on
KeyPressFcn	all
ListboxTop	1.0
Max	1.0
Min	0.0
Position	[4.8 12.923 20.4 3.385]
SelectionHighlight	on
SliderStep	[0.01 0.1]
String	SINE WAVE
Style	pushbutton
Tag	pushbutton2
TooltipString	

Step-10: Assigning The Programs To Buttons





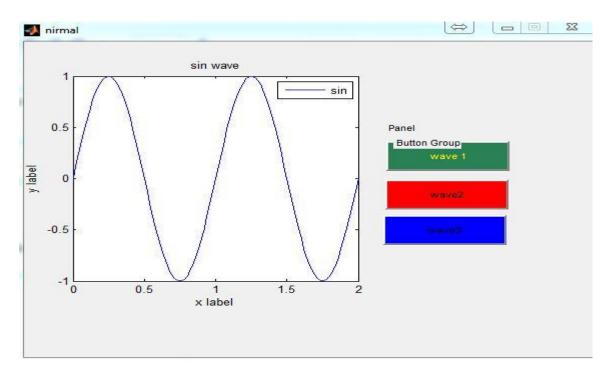
Step-11: Save the File

Step-12: Writing Programs to The Corresponding Buttons

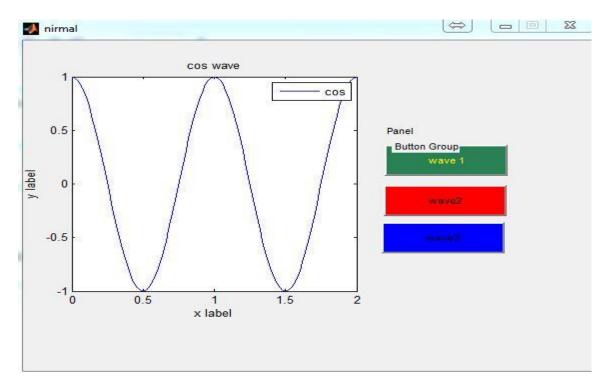
```
% --- Executes on button press in pushbutton3.
function pushbutton3 Callback(hObject, eventdata, handles)
% eventdata reserved - to be defined in a future version of MATLAB
             structure with handles and user data (see GUIDATA)
 -% handles
  a=0:0.02:2;
  b=sin(2*pi*a);
  c=cos(2*pi*a);
  d=b+c;
  plot(a,d)
  xlabel('x label')
  ylabel('y label')
 legend('sin+cosine')
Ltitle('sin+cosine wave')
  % --- Executes on button press in pushbutton1.
function pushbutton1 Callback(hObject, eventdata, handles)
hobject handle to pushbutton1 (see GCBO)
  % eventdata reserved - to be defined in a future version of MATLAB
 -% handles
             structure with handles and user data (see GUIDATA)
  a=0:0.02:2;
  b=sin(2*pi*a);
  plot(a,b)
  xlabel('x label')
  ylabel('y label')
  legend('sin')
 Ltitle('sin wave')
 % --- Executes on button press in pushbutton2.
function pushbutton2 Callback(hObject, eventdata, handles)
E % hObject handle to pushbutton2 (see GCBO)
 % eventdata reserved - to be defined in a future version of MATLAB
- % handles
             structure with handles and user data (see GUIDATA)
 a=0:0.02:2;
 c=cos(2*pi*a);
 plot(a,c)
 xlabel('x label')
 ylabel('y label')
 legend('cos')
title('cos wave')
```

Step-13: Outputs

Sine Wave



COS Wave



SINE +COS Wave

