

MATLAB GUI UYGULAMALARI

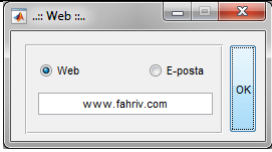


```
function slider1_Callback(hObject, eventdata, handles)
r=get(handles.slider1,'Value'); g=get(handles.slider2,'Value'); b=get(handles.slider3,'Value');
set(handles.uipanel2,'BackgroundColor',[r g b]);

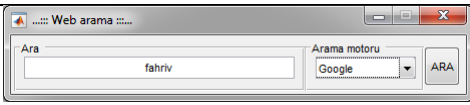
/ slider2
/ slider3
```



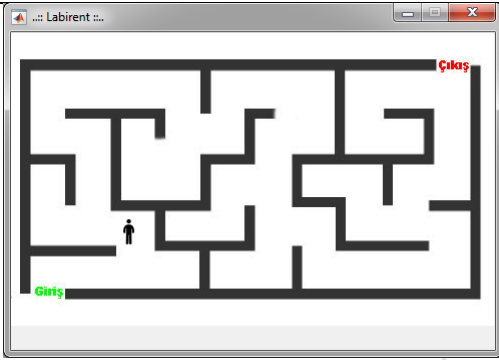
```
function pushbutton1_Callback(hObject, eventdata, handles)
r1=round(65+25*rand); r2=round(9*rand); r3=round(65+25*rand); r4=round(9*rand);
dogrulama_kodu=strcat(char(r1),num2str(r2),char(r3),num2str(r4));
set(handles.text1,'String',dogrulama_kodu);
```



```
function pushbutton1_Callback(hObject, eventdata, handles)
URL=get(handles.edit1,'String');
if (get(handles.radioButton1,'Value'))
web(URL,'-browser');
else
URL=strcat('mailto:',URL); web(URL,'-browser');
end
```

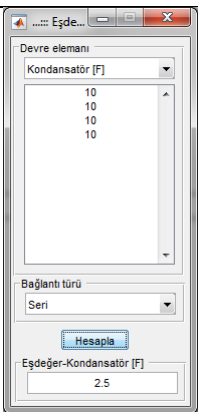


```
function pushbutton1_Callback(hObject, eventdata, handles)
ifade=get(handles.edit1,'String');
if (get(handles.popupmenu1,'Value')==1)
ara=strcat('https://www.google.com/search?q=',ifade);
elseif (get(handles.popupmenu1,'Value')==2)
ara=strcat('https://www.bing.com/search?q=',ifade);
else
ara=strcat('https://yandex.com.tr/search/?&text=',ifade);
end; web(ara,'-browser');
```



```
function ornek5_OpeningFcn(hObject, eventdata, handles, varargin)
zemin=imread('labirent','jpg'); axes(handles.axes1); imshow(zemin);
kisi=imread('insan','jpg'); axes(handles.axes2); imshow(kisi);

function figure1_KeyPressFcn(hObject, eventdata, handles)
a=eventdata.Key; konum=getpixelposition(handles.axes2);
switch a
case 'uparrow'
konum=konum+[0 5 0 0];
case 'downarrow'
konum=konum+[0 -5 0 0];
case 'leftarrow'
konum=konum+[-5 0 0 0];
case 'rightarrow'
konum=konum+[5 0 0 0];
end; setpixelposition(handles.axes2,konum);
```

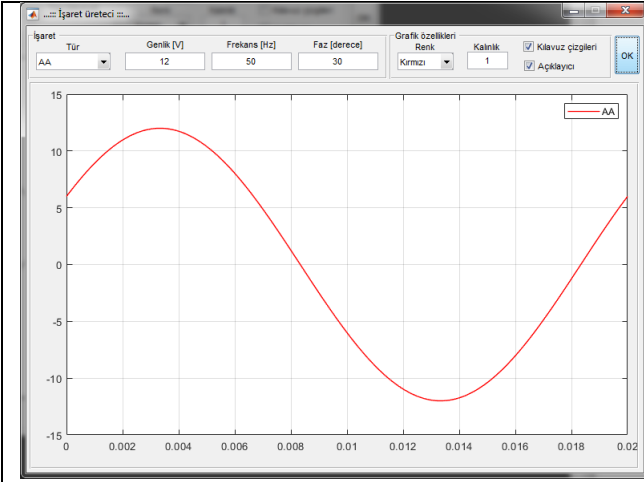


```
function ornek6_OpeningFcn(hObject, eventdata, handles, varargin)
global tur baglanti
tur=1; baglanti=1;

function popupmenu1_Callback(hObject, eventdata, handles)
global tur baslik
tur=get(handles.popupmenu1,'Value'); sec=get(handles.popupmenu1,'String');
baslik=strcat('Eşdeğer-',sec{tur}); set(handles.uipanel3,'Title',baslik);

function popupmenu2_Callback(hObject, eventdata, handles)
global baglanti
baglanti=get(handles.popupmenu2,'Value');

function pushbutton1_Callback(hObject, eventdata, handles)
global tur baglanti
a=str2num(get(handles.edit1,'String')); a_seri=sum(a); a_parelel=1/sum(1./a);
if (tur==3)
if (baglanti==1)
esdeger=a_parelel;
else
esdeger=a_seri;
end
else
if (baglanti==1)
esdeger=a_seri;
else
esdeger=a_parelel;
end
end
set(handles.edit2,'String',num2str(esdeger));
```



```
function ornek6_OpeningFcn(hObject, eventdata, handles, varargin)
global tur
tur=1;
```

```
function popuption1_Callback(hObject, eventdata, handles)
global tur
tur=get(handles.popuption1,'Value');
if (tur==2)
    set(handles.text3,'Visible','off'); set(handles.edit2,'Visible','off');
    set(handles.text4,'Visible','off'); set(handles.edit3,'Visible','off');
else
    set(handles.text3,'Visible','on'); set(handles.edit2,'Visible','on');
    set(handles.text4,'Visible','on'); set(handles.edit3,'Visible','on');
end
```

```
function pushbutton1_Callback(hObject, eventdata, handles)
global tur
a=str2double(get(handles.edit1,'String'));
if (tur==1)
    f=str2double(get(handles.edit2,'String'));faz=str2double(get(handles.edit3,'String'));
    faz=faz*pi/180;
    t=linspace(0,1/f,256); v=a*sin(2*pi*f*t+faz);
else
    t=linspace(0,1,256); v=a*t.^0;
end
renkler='rgb'; renk=renkler(get(handles.popuption2,'Value'));
ck=str2double(get(handles.edit4,'String'));
axes(handles.axes1); plot(t,v,renk,'LineWidth',ck);
if (get(handles.checkbox1,'Value'))
    grid on;
else
    grid off;
end
aciklama=get(handles.popuption1,'String');
if (get(handles.checkbox2,'Value'))
    legend(aciklama(tur));
else
    legend('off');
end
```