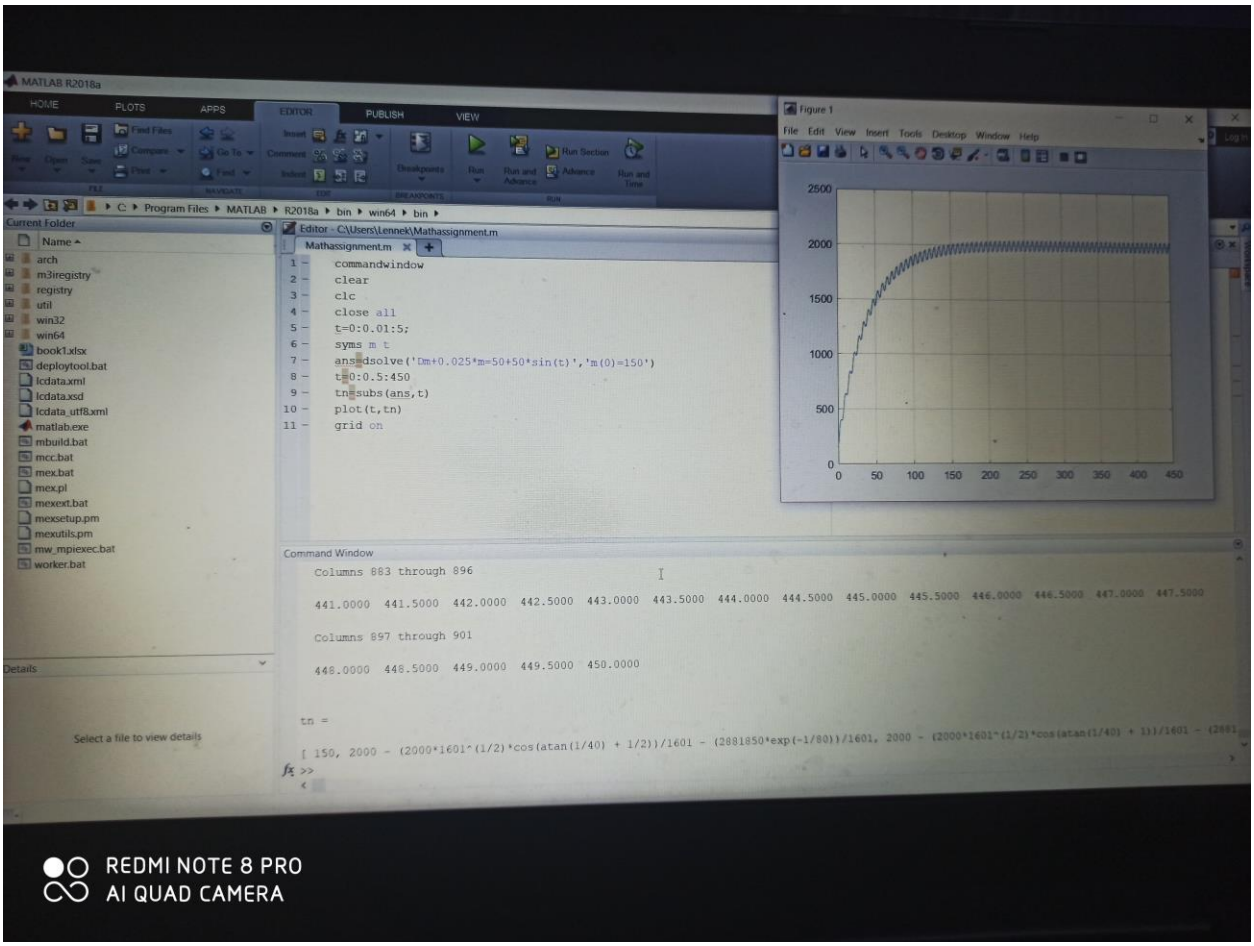
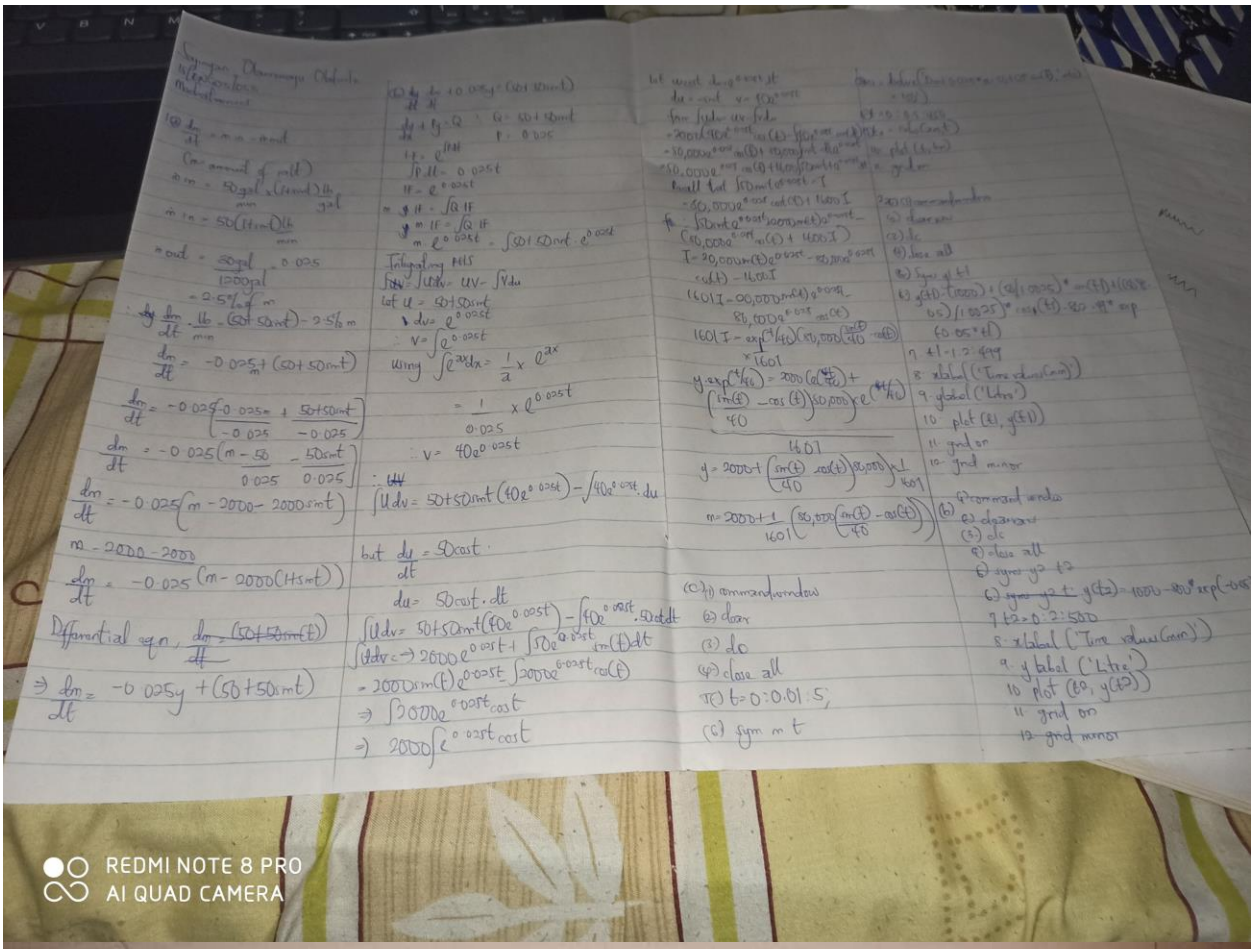
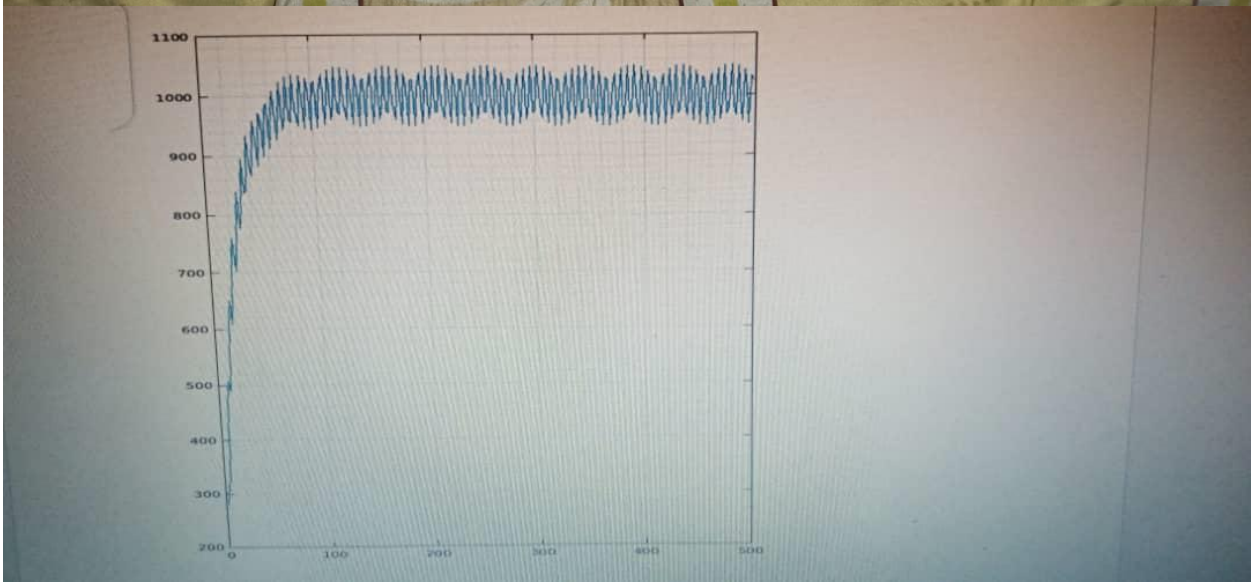
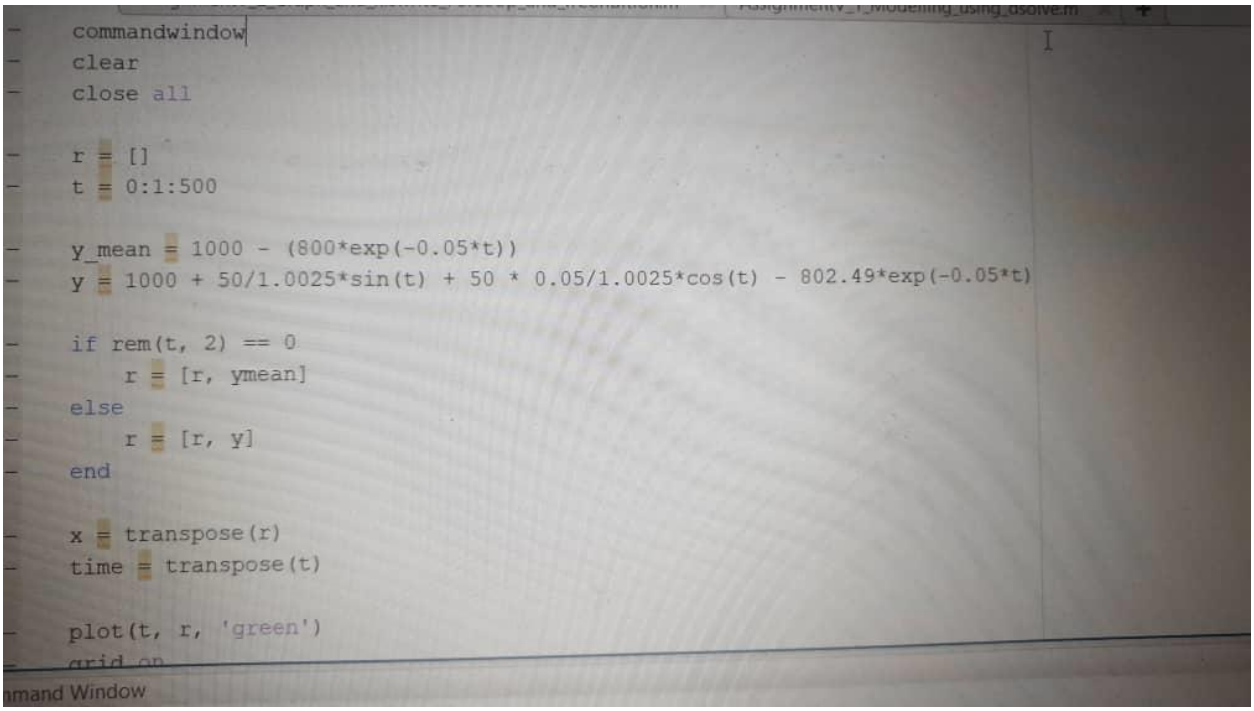

MATLAB R2018a
HOME
PLOTS
APPS
EDITOR
PUBLISH
VIEW
Current Folder
Name
arch
m3iregistry
registry
util
win32
win64
book1.xlsx
deploytool.bat
lcdata.xml
lcdata.xsd
lcdata_utf8.xml
matlab.exe
mbuild.bat
mcc.bat
mex.bat
mex.pl
mexext.bat
mexsetup.pm
mexutils.pm
mw_mpiexec.bat
worker.bat
Details
Select a file to view details
Editor - C:\Users\Lennek\Mathassignment.m
Mathassignment.m
1 commandwindow
2 clear
3 clc
4 close all
5 t=0:0.01:5;
6 syms m t
7 ans=dsolve('Dm+0.025*m=50+50*sin(t)','m(0)=150')
8 t=0:0.5:450
9 tn=subs(ans,t)
10 plot(t,tn)
11 grid on
Figure 1
File Edit View Insert Tools Desktop Window Help
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350 400 450
Command Window
Columns 883 through 896
441.0000 441.5000 442.0000 442.5000 443.0000 443.5000 444.0000 444.5000 445.0000 445.5000 446.0000 446.5000 447.0000 447.5000
Columns 897 through 901
448.0000 448.5000 449.0000 449.5000 450.0000
tn =
[150, 2000 - (2000*1601^(1/2)*cos(atan(1/40) + 1/2))/1601 - (2881850*exp(-1/80))/1601, 2000 - (2000*1601^(1/2)*cos(atan(1/40) + 1))/1601 - (2881
fx >>
REDMI NOTE 8 PRO
AI QUAD CAMERA


REDMI NOTE 8 PRO
AI QUAD CAMERA


1100
1000
900
800
700
600
500
400
300
200
0
100
200
300
400
500



```
commandwindow
clear
close all

r = []
t = 0:1:500

y_mean = 1000 - (800*exp(-0.05*t))
y = 1000 + 50/1.0025*sin(t) + 50 * 0.05/1.0025*cos(t) - 802.49*exp(-0.05*t)

if rem(t, 2) == 0
    r = [r, ymean]
else
    r = [r, y]
end

x = transpose(r)
time = transpose(t)

plot(t, r, 'green')
grid on
```

mand Window