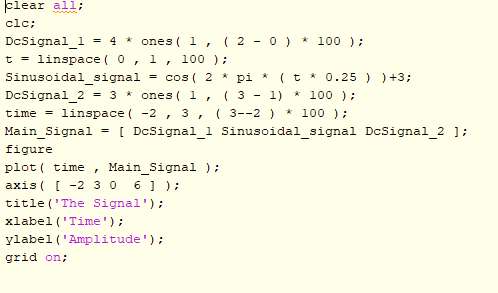
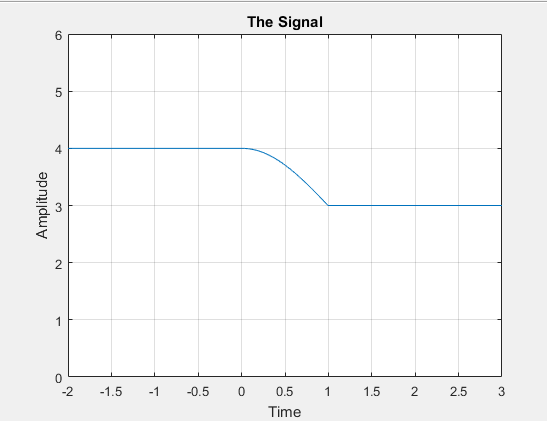
|  |  |
| --- | --- |
| **العربية** | Electrical Engineering Department (EEC 271) Signals&Systems  Spring 2022 - 2023 |

Lab(2) report

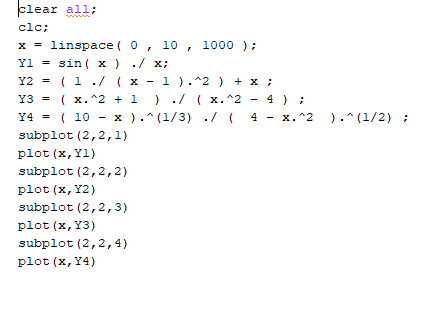
|  |  |
| --- | --- |
| **Name** | **ID** |
| Mostafa Mohamed Abdel-Azeem Hassanen  Ahmed Abdel-Hakem Abdel-Salam Ali | 20011950  20010124 |
|  |  |
| **Section:** | 4 |
|  |  |
| **Department:** | **Electronics and Communication** |

Task1

**Code**  **Result**



Task2

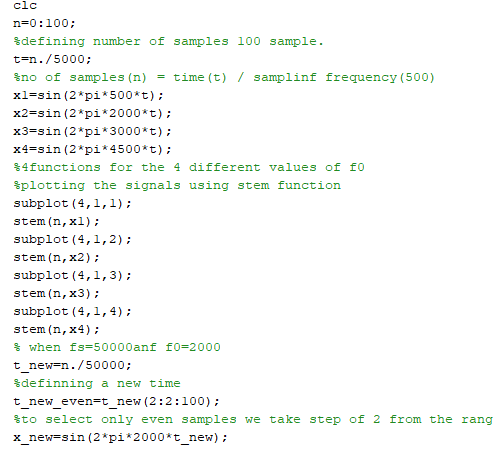
**Code Result**

A picture containing text, diagram, line, plot

Description automatically generated

Task3

A picture containing text, font, number, parallel

Description automatically generated**Code** **Result**

A screen shot of a computer

Description automatically generated with low confidence

A picture containing text, diagram, line, parallel

Description automatically generated

# **First comment**

# Similarities Differences

They have the same amplitude. Different number of samples.

They are all periodic Different accuracy due to samples .number.

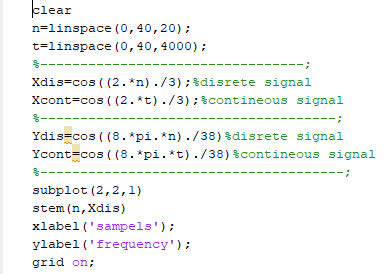
# **Second comment**

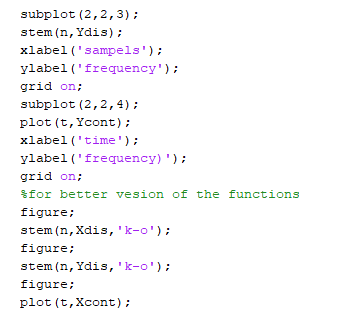
1-frequency of x(n)= 1/25 =0.04

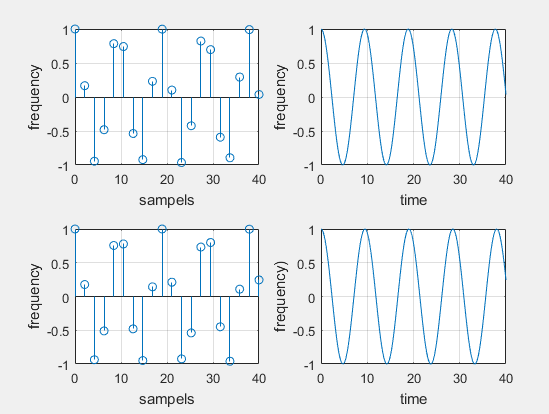
2-y(n) is periodic with frequency =2/25 =0.08

Task4

**Code**

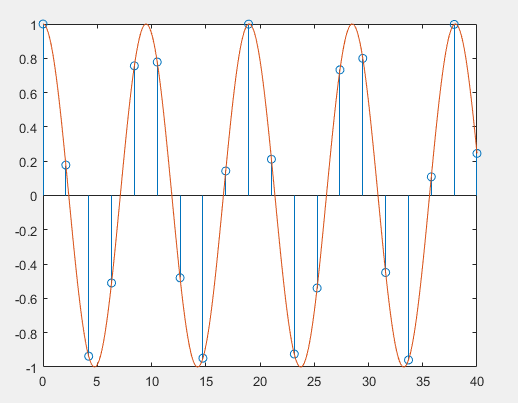
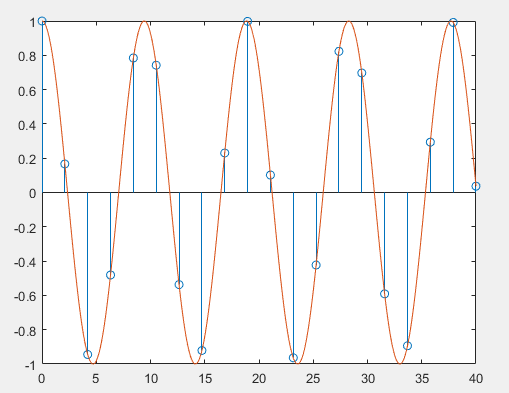




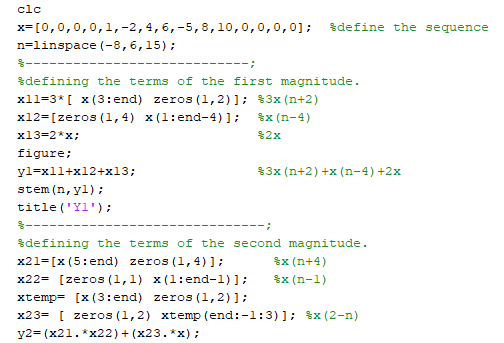
**Result**

# **Comment:**

* The sequences are **periodic**
* In one period for the continuous signals it
* Makes 1cycle every 10 seconds

****

Task5

Code Result

A picture containing text, diagram, line, plot

Description automatically generated

A picture containing text, diagram, line, plot

Description automatically generated

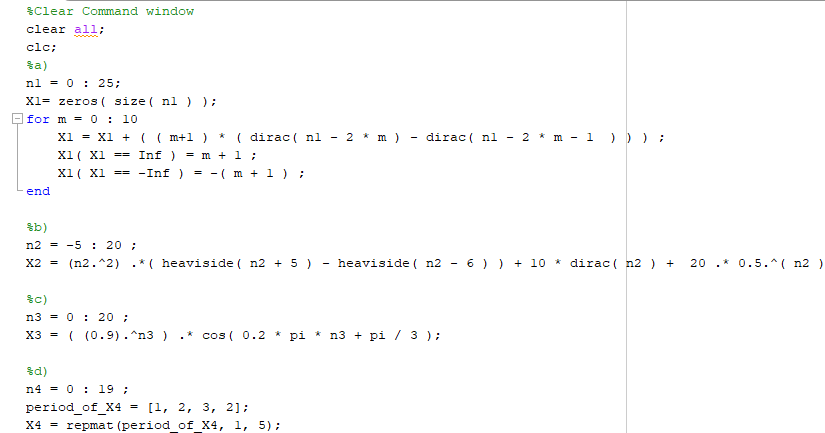
A picture containing text, screenshot, font

Description automatically generated

A picture containing text, line, diagram, plot

Description automatically generated

Task6

**Code** **Result**

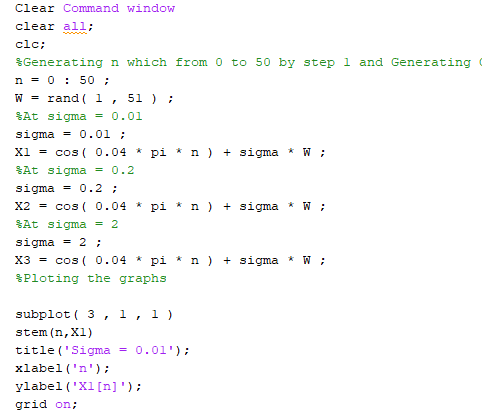
A picture containing text, diagram, line, parallel

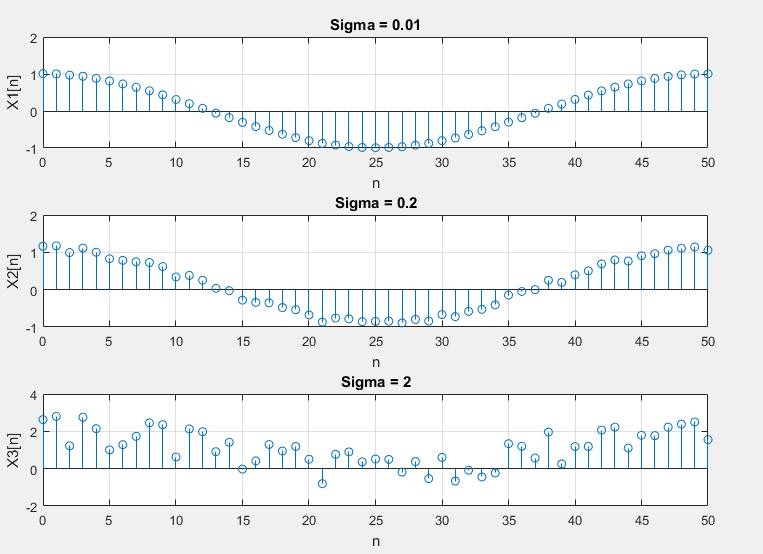
Description automatically generated

A screenshot of a computer code

Description automatically generated with medium confidence

Task7

**Code**  **Result**



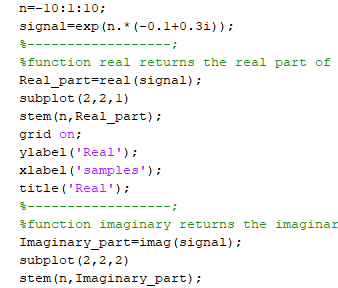
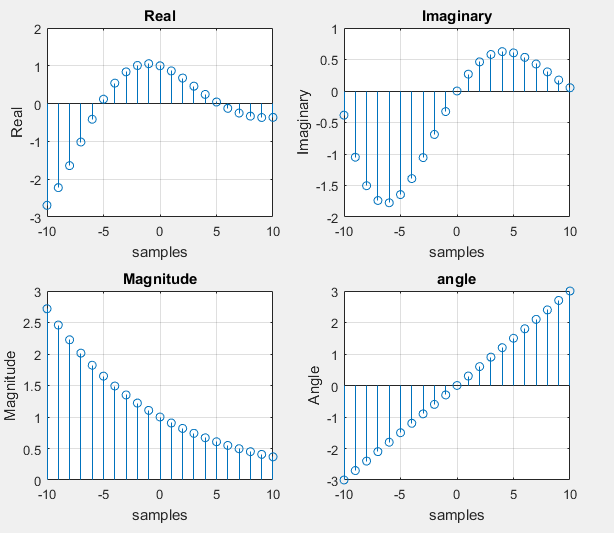
A picture containing text, screenshot, font

Description automatically generated

# **comment**

-as the sigma increase the distortion increase and accuracy decrease.

Task8

**Code** **Result**

