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| ***Lab Report***  ***IA 3203 – Digital Signal Processing***  *Department of Instrumentation and Automation Technology*  *University of Colombo* |
| **DSP 303 – Linear Time Invariant Systems** |

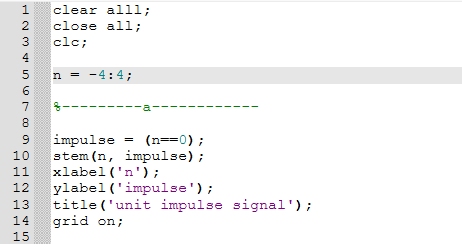
|  |  |
| --- | --- |
| **Registration No: 2021t01108** |  |
| **Students Name: G.G.B.S Gunawardana** |  |
| **Date (dd/mm/yy): 19/07/2024** |  |

**Exercise:**

Question 01.a:

**Answer:**

***Octave code:***

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***Figures:***

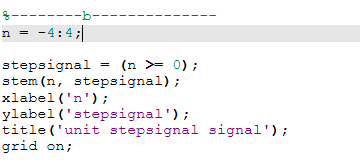
***A screenshot of a computer

Description automatically generated***

Question 01.b:

**Answer:**

***Octave code:***

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***Figures:***

***A screenshot of a computer

Description automatically generated***

Question 01.c:

**Answer:**

***Octave code:***

***A screenshot of a computer

Description automatically generated***

***Figures:***

A screen shot of a graph

Description automatically generated

Question 01.d:

**Answer:**

***Octave code:***

***A computer code with text

Description automatically generated with medium confidence***

***Figures:***

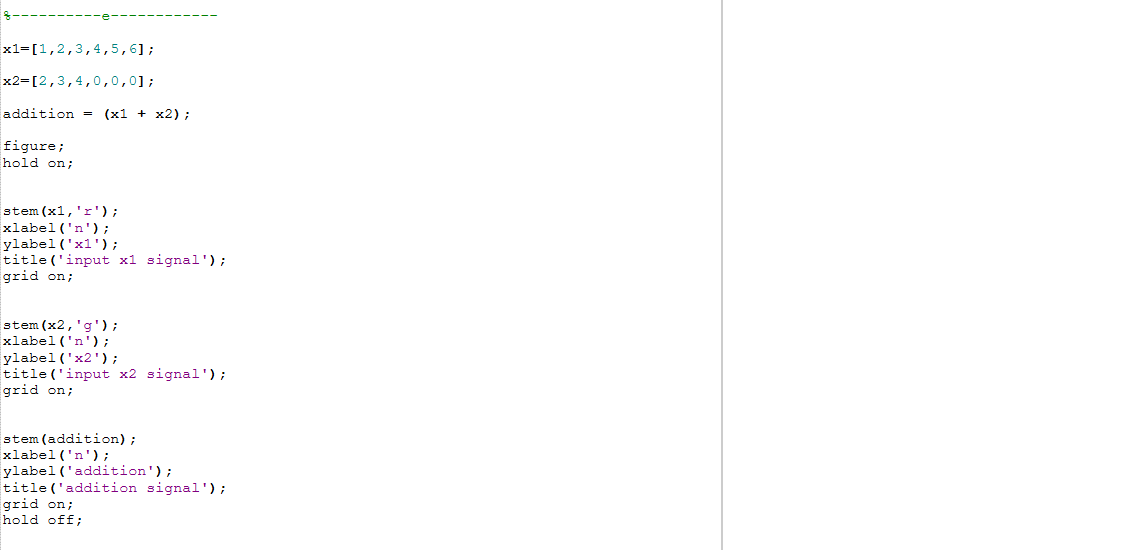
A screenshot of a computer

Description automatically generated

Question 01.e:

**Answer:**

***Octave code:***

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***Figures:***

A screenshot of a graph

Description automatically generated

Question 01.f:

**Answer:**

***Octave code:***

***A white rectangular object with a black line

Description automatically generated***

***Figures:***

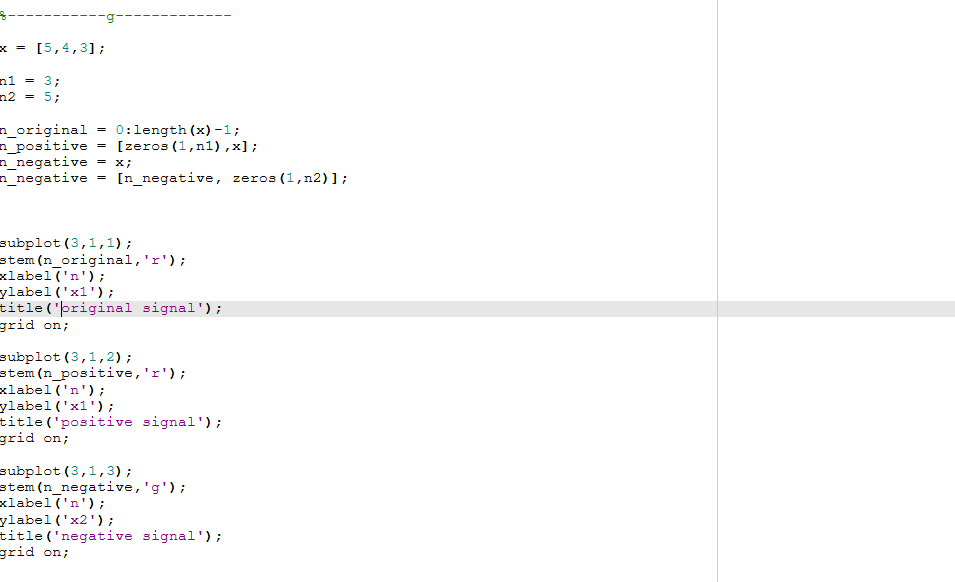
A screenshot of a graph

Description automatically generated

Question 01.g:

**Answer:**

***Octave code:***



***Figures:***

A screenshot of a computer

Description automatically generated