**Problem 5 (PYTHON Solution)**

1. **Working Code**

A screenshot of a computer

Description automatically generated

1. **Execution of Program**

B.1. Run the program. The program asks for a function for x(n)

A screenshot of a social media post

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B.2 the input function for x(n) is x(n) = sin(3\*pi\*n/100)

A screenshot of a computer

Description automatically generated

B.3 The graph of x(n) and y(n) is shown in the iPython console

A screenshot of a social media post

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