

Test case 1

Power input as a numeric and within range

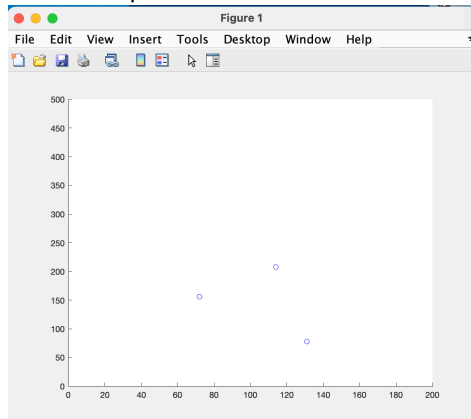
Input:

Enter power between 1 and 100: 40

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- No other prompt in command window

Actual Output:



- No other prompt in the command window

Test case 2

Power input as 100 which is the maximum

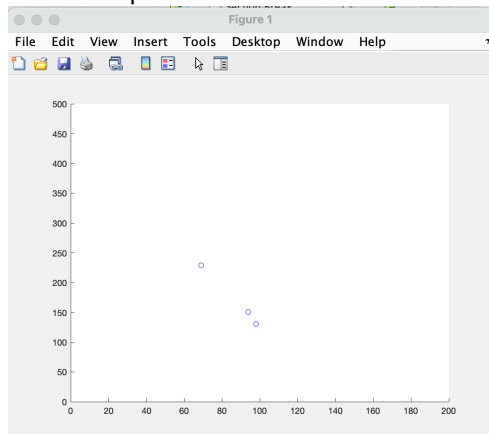
Input:

Enter power between 1 and 100: 100

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- No other prompt in command window

Actual Output:



- No other prompt in the command window

Test case 3

Power input as 1 which is the minimum

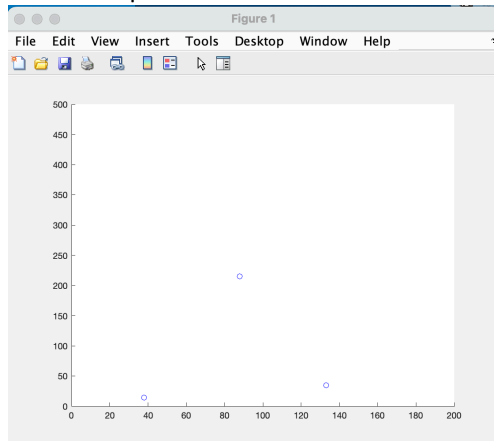
Input:

Enter power between 1 and 100: 1

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- No other prompt in command window

Actual Output:



- No other prompt in the command window

Test case 4

Power input as decimal

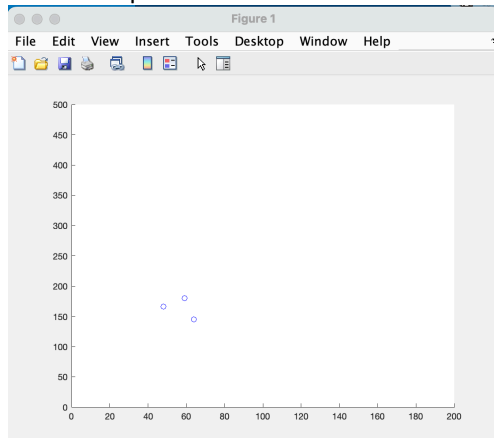
Input:

Enter power between 1 and 100: 1.65

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- No other prompt in command window

Actual Output:



- No other prompt in the command window

Test case 5

Enter power as 0 (check for zero)

Input:

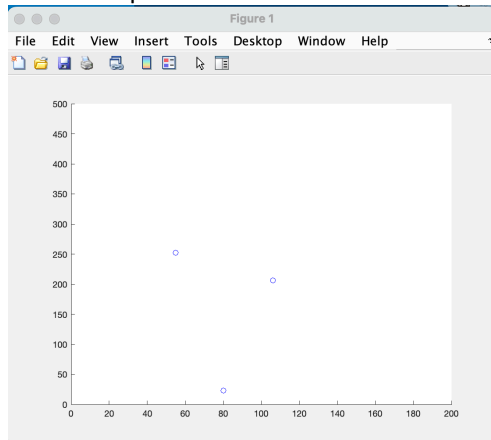
Enter power between 1 and 100: 0

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Actual Output:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Test case 6

Enter power a negative number

Input:

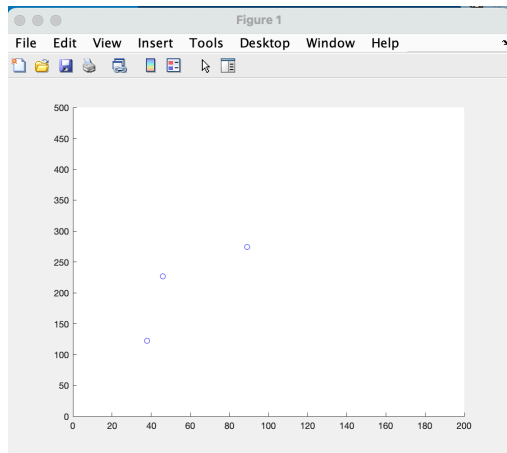
Enter power between 1 and 100: -43

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Actual Output:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Test case 7

Enter power as a symbol

Input:

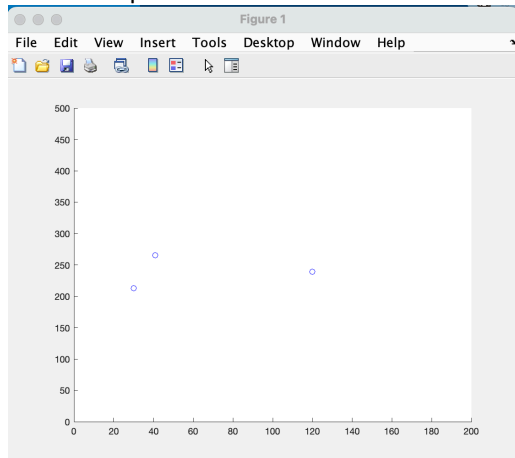
Enter power between 1 and 100: \$

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Actual Output:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Test case 8

Enter power as non-numeric

Input:

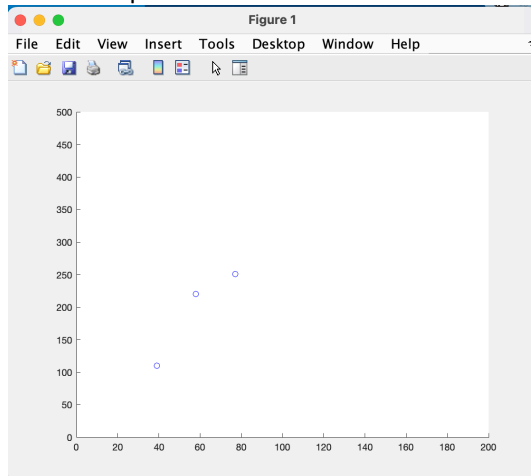
Enter power between 1 and 100: game

Expected Output:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Actual Output:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100: