```
 1 % NAME: ADITYA BARMAN
 2 % ROLL: 002320601024
 3 % PROBLEM 1. Mean without Frequency
 4
 5
 6 clc, clearvars, close all
 7
 8 weights_pounds = [122, 173, 179, 176, 159, 175, 160, 102, 133
 9 159, 176, 151, 115, 105, 72, 170, 128, 112
10 101, 123, 117, 93, 117, 99, 90, 113, 128
11 129, 134, 178, 105, 107, 147, 157, 155, 95
12 177, 98, 174, 135, 97, 168, 160, 144, 174];
13
14 matrix_length = size(weights_pounds);
15 length_weights_pounds = matrix_length(1) * matrix_length(2);
16 sum_wts_pds = 0;
17
18 for i = 1:matrix_length(1)
19     for j = 1:matrix_length(2)
20         sum_wts_pds = (sum_wts_pds + weights_pounds(i, j));
21     end
22 end
23
24 fprintf('The weights of %d persons in pounds is given below\n\n',↙
length_weights_pounds);
25 disp(weights_pounds)
26
27 mean_weight = (sum_wts_pds/length_weights_pounds);
28 fprintf('Mean of the data is: %.4f\n', mean_weight);
29
30
31 % ======================= OUTPUT ============================
32
33 % The weights of 45 persons in pounds is given below
34
35 %    122   173   179   176   159   175   160   102   133
36 %    159   176   151   115   105    72   170   128   112
37 %    101   123   117    93   117    99    90   113   128
38 %    129   134   178   105   107   147   157   155    95
39 %    177    98   174   135    97   168   160   144   174
40
41 % Mean of the data is: 135.1556
42
43 % ==========================================================
```