Test Case1: Generate a Series of 100 numbers in a range 0-100 with seed points: 90, 80, 65, 50.

```
Enter the starting range of numbers:
0
Enter the ending range of numbers :
100
Enter seed 1
90
Enter seed 2
80
Enter seed 3
65
Enter seed 4
50

A1 :
67.623 89 69 94 42 68 97 6

A2 :
55.5412

A3 :
55.5381

A4 :
46.6015 5 27 18 39 36 75 33 96 8 50 13 45 79 81 23 98 57 97 17 88 22 14 42 92 58 33 25 25 54 38 80 83 94 16 8 46 99 86 7
2 6 72 36 96 46 84 7 85 58 65 24 37 69 18 72 79 71 5 57 14 57 95 17 98 59 87 0 67 9 3 76 15 41 36 28 70 62 5 42 11 66 59
 2 50 42 52 16 6 31 1 10 51 45 52

G1 :
90 67.6236 48.0098 48.0098 48.0098 55.8581 67.6227 82.6926 67.6234 82.6926 67.6234 67.623 67.623 67.623 67.623 67.623 67
.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.
```

```
A4 :
46.6015 5 27 18 39 36 75 33 96 8 50 13 45 79 81 23 98 57 97 17 88 22 14 42 92 58 33 25 25 54 38 80 83 94 16 8 46 99 86 7
2 6 72 36 96 46 84 7 85 58 65 24 37 69 18 72 79 71 5 57 14 57 95 17 98 59 87 0 67 9 3 76 15 41 36 28 70 62 5 42 11 66 59
 2 50 42 52 16 6 31 1 10 51 45 52

G1 :
90 67.6236 48.0098 48.0098 48.0098 55.8581 67.6227 82.6926 67.6234 82.6926 67.6234 67.623 67.623 67.623 67.623 67.623 67
.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.
623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.623 67.6
23
G2 :
80 80 84.5 48.9453 48.9453 48.9453 48.9453 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.54
12 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.54
12 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.5412 55.54
12 55.5412 55.5412 55.5412 55.5412
G3 :
65 65 65 52.0083 48.5774 48.5774 48.5774 48.5774 48.5774 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381
 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381
 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381 55.5381
 55.5381 55.5381 55.5381 55.5381
G4 :
50 46.6015 25.8008 23.34 42.777 46.172 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 4
6.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 4
6.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 46.6015 4
6.6015 46.6015 46.6015 46.6015 46.6015

Process returned 0 (0x0)   execution time : 6.396 s
Press any key to continue.
```

Test Case 2: Generate a Series of 100 numbers in a range 20-60 with seed points: 90, 80, 65, 50.

```
"C:\Users\Garg\Documents\p    ×    +    ∨                                    —    □    ×
Enter the starting range of numbers:
20
Enter the ending range of numbers :
60
Enter seed 1
90
Enter seed 2
80
Enter seed 3
65
Enter seed 4
50

A1 :
90

A2 :
80

A3 :
38.1952 42 48 21 26 29 57 47 49 30 46 38 39 45 35 55 58 23 46 44 57 31 48 40 58 30 55 21 59 23 55 46 49 22 23 34 30 44 4
5 46 25 48 53 21 49 20 31 24 48 60 34 54 56 21 32 30 25 31 21 34 42 27 33 38 59 57 54 49 31 53 43 55 25 20 21 27 38 24 5
5 48 35 33 20 35 30 22 31 28 26 55 23 37 51 43 37 39 28 34 26

A4 :
35.8 21 58

G1 :
90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90
90 90 90 90 90 90 90 90 90 90 90
```

```
"C:\Users\Garg\Documents\p    ×    +    ∨                                    —    □    ×
A2 :
80

A3 :
38.1952 42 48 21 26 29 57 47 49 30 46 38 39 45 35 55 58 23 46 44 57 31 48 40 58 30 55 21 59 23 55 46 49 22 23 34 30 44 4
5 46 25 48 53 21 49 20 31 24 48 60 34 54 56 21 32 30 25 31 21 34 42 27 33 38 59 57 54 49 31 53 43 55 25 20 21 27 38 24 5
5 48 35 33 20 35 30 22 31 28 26 55 23 37 51 43 37 39 28 34 26

A4 :
35.8 21 58

G1 :
90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90
90 90 90 90 90 90 90 90 90 90 90
G2 :
80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80
80 80 80 80 80 80 80 80 80 80 80
G3 :
65 61.5 39.8104 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952
38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952
38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952 38.1952
38.1952 38.1952 38.1952 38.1952 38.1952
G4 :
50 38.0214 38.1803 36.1967 35.8661 35.811 35.8018 35.8003 35.8001 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8
 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8
 35.8 35.8 35.8 35.8 35.8 35.8 35.8

Process returned 0 (0x0)   execution time : 5.888 s
Press any key to continue.
```

Test Case 3: Generate a Series of 100 numbers in a range 0-60 with seed points: 4,3,2,1

```
Enter the starting range of numbers:
0
Enter the ending range of numbers :
60
Enter seed 1
4
Enter seed 2
3
Enter seed 3
2
Enter seed 4
1

A1 :
19.3349 3 38 40 5 8

A2 :
28.5596 28 6 28 55 46 50 12 37 21 34 48 41 56 22 13 50 43 59 14 20 38 27 12 16 33 38 20 11 26 2 34 18 37 49 49 18 14 19
19 7 28 56 56 9 12 36 41 6 28 59 26 9 56 29 27 31 50 55 3 41 46 30 15 14 34 38 47 29 17 27 0 45 26 60 54 28 17 16 22 24
57 6 5 10 14 31 9 26 41 25 32 18 4 5 13

A3 :
19.3292

A4 :
19.3278

G1 :
4 4 19.3319 19.3319 19.3319 6.09716 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3
349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09
```

```
A3 :
19.3292

A4 :
19.3278

G1 :
4 4 19.3319 19.3319 19.3319 6.09716 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3
349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09
729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3349 6.09729 19.3
349 6.09729 19.3349 6.09729 19.3349
G2 :
3 28.0715 28.5596 28.5596 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.764
6 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.559
6 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.7646 28.5596 28.764
6 28.5596 28.7646 28.5596 28.7646 28.5596
G3 :
2 2 2 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19
.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19
.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19.3292 19
.3292 19.3292 19.3292 19.3292
G4 :
1 1 1 1 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278
19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278
19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278 19.3278
19.3278 19.3278 19.3278

Process returned 0 (0x0)   execution time : 6.318 s
Press any key to continue.
```

Test Case 4: Generate a Series of 100 numbers in a range 60-100 with seed points: 95, 90, 85, 80.

```
Enter the starting range of numbers:
60
Enter the ending range of numbers :
100
Enter seed 1
95
Enter seed 2
90
Enter seed 3
85
Enter seed 4
80

A1 :
92.3333

A2 :
90.4 86 97

A3 :
81.7436 84 80 83 79 89 87 70 99 67 81 81 78 92 78 84 68 86 70 64 72 95 78 66 66 72 99 79 68 76 73 99 84 80 81 69 81 64 6
8 83 89 87 82 98 100 98 91 90 90 86 65 86 84 94 92 85 69 97 74 81 61 80 61 94 96 62 83 62 77 77 80 82 99 81 71 75 68 79
85 96 67 95 85 95 78 95 96 87 81 99 92 71 65 95 85 83 100 68 94

A4 :
90.1768

G1 :
95 95 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92
.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92
```

```
81.7436 84 80 83 79 89 87 70 99 67 81 81 78 92 78 84 68 86 70 64 72 95 78 66 66 72 99 79 68 76 73 99 84 80 81 69 81 64 6
8 83 89 87 82 98 100 98 91 90 90 86 65 86 84 94 92 85 69 97 74 81 61 80 61 94 96 62 83 62 77 77 80 82 99 81 71 75 68 79
85 96 67 95 85 95 78 95 96 87 81 99 92 71 65 95 85 83 100 68 94

A4 :
90.1768

G1 :
95 95 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92
.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92
.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92.3333 92
.3333 92.3333 92.3333 92.3333 92.3333
G2 :
90 90 90 90 90 90.3333 90.3889 90.3982 90.3997 90.3999 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4
90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4
90.4 90.4 90.4 90.4
G3 :
85 89.125 81.722 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436
 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436
 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436 81.7436
 81.7436 81.7436 81.7436 81.7436 81.7436
G4 :
80 81.7204 82.3643 89.0607 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.17
68 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.17
68 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.1768 90.17
68 90.1768 90.1768 90.1768 90.1768 90.1768

Process returned 0 (0x0)   execution time : 6.723 s
Press any key to continue.
```

Test Case 5:   Generate a Series of 100 numbers in a range 0-100 with seed points: 4,3,2,1

```
Enter the starting range of numbers:
0
Enter the ending range of numbers :
100
Enter seed 1
4
Enter seed 2
3
Enter seed 3
2
Enter seed 4
1

A1 :
20.1781 19 23 15

A2 :
43.1763

A3 :
69.8623 90

A4 :
49.7245 49 70 11 15 81 15 88 94 2 20 98 99 50 62 0 41 45 56 100 6 41 70 55 8 33 7 59 67 25 27 28 44 70 84 79 65 81 42 45
 24 81 78 42 48 72 97 63 61 17 8 48 86 32 2 66 13 1 46 92 48 4 75 64 86 42 19 66 96 82 89 62 40 16 99 75 90 13 22 2 37 4
2 69 8 66 40 71 69 93 10 25 12 79 17 24 20 93

G1 :
4 47 47 47 47 47 48 48 48 48 48.5 49.7245 49.7245 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.724
5 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.793
```

```
69.8623 90

A4 :
49.7245 49 70 11 15 81 15 88 94 2 20 98 99 50 62 0 41 45 56 100 6 41 70 55 8 33 7 59 67 25 27 28 44 70 84 79 65 81 42 45
 24 81 78 42 48 72 97 63 61 17 8 48 86 32 2 66 13 1 46 92 48 4 75 64 86 42 19 66 96 82 89 62 40 16 99 75 90 13 22 2 37 4
2 69 8 66 40 71 69 93 10 25 12 79 17 24 20 93

G1 :
4 47 47 47 47 47 48 48 48 48 48.5 49.7245 49.7245 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.724
5 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.793
5 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781
G2 :
3 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.176
3 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.176
3 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.1763 43.176
3 43.1763 43.1763 43.1763 43.1763 43.1763
G3 :
2 49.4376 50.1516 50.1516 70.0758 39.1506 20.1729 25.0764 48.7935 49.7245 50.1516 70.0758 80.0379 39.2337 20.1764 19.382
4 48.7935 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.7245 69.8623 79.9311 84.9656 39.2747 20.178
1 19.3824 48.7935 49.7245 69.8623 79.9311 84.9656 39.2747 20.1781 19.3824 48.7935 49.7245 69.8623 79.9311 84.9656 39.274
7 20.1781 19.3824 48.7935 49.7245 69.8623
G4 :
1 1 24.9167 25.116 48.7935 49.7245 50.1516 50.1516 70.0758 39.1506 20.1729 19.3822 48.7935 48.7935 49.7245 49.7245 49.72
45 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.72
45 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.7245 49.72
45 49.7245 49.7245 49.7245 49.7245

Process returned 0 (0x0)   execution time : 4.450 s
Press any key to continue.
```