```
 1 /usr/local/bin/python3.9 /Users/achyutsapariya/
   SoftComputing/lab6.py
 2 alpha is  1
 3 /Users/achyutsapariya/SoftComputing/lab6.py:471:
   DeprecationWarning: `np.int` is a deprecated alias
   for the builtin `int`. To silence this warning, use
    `int` by itself. Doing this will not modify any
   behavior and is safe. When replacing `np.int`, you
   may wish to use e.g. `np.int64` or `np.int32` to
   specify the precision. If you wish to review your
   current use, check the release note link for
   additional information.
 4 Deprecated in NumPy 1.20; for more details and
   guidance: https://numpy.org/devdocs/release/1.20.0-
   notes.html#deprecations
 5   W = np.zeros((64,), dtype=np.int)
 6 0.1 0.0
 7 0.3 0.102
 8 0.5 0.441
 9 0.7 0.73
10 0.9 0.865
11 alpha is  0.8
12 0.1 0.0
13 0.3 0.087
14 0.5 0.382
15 0.7 0.648
16 0.9 0.799
17 alpha is  0.6
18 0.1 0.0
19 0.3 0.096
20 0.5 0.424
21 0.7 0.684
22 0.9 0.824
23 alpha is  0.3
24 0.1 0.001
25 0.3 0.088
26 0.5 0.42
27 0.7 0.673
28 0.9 0.815
29 alpha is  0.1
30 0.1 0.0
```

```
31 0.3 0.096
32 0.5 0.377
33 0.7 0.667
34 0.9 0.809
35 alpha is  1
36 0.01 0.655
37 0.05 0.968
38 0.1 0.995
39 alpha is  0.8
40 0.01 0.639
41 0.05 0.966
42 0.1 0.998
43 alpha is  0.6
44 0.01 0.517
45 0.05 0.945
46 0.1 0.993
47 alpha is  0.3
48 0.01 0.483
49 0.05 0.945
50 0.1 0.994
51 alpha is  0.1
52 0.01 0.624
53 0.05 0.981
54 0.1 0.995
55 theta is  0.5
56 theta is  1
57 theta is  2
58 theta is  4
59 theta is  8
60 theta is  12
61
62 Process finished with exit code 0
63
```