```
 1 C:\Users\HP\AppData\Local\Programs\Python\Python310\
   python.exe "C:\Users\HP\PycharmProjects\Mid Term
   Project\master.py"
 2 Building prefix dict from the default dictionary ...
 3 Loading model from cache C:\Users\HP\AppData\Local\
   Temp\jieba.cache
 4 Loading model cost 1.269 seconds.
 5 Prefix dict has been built successfully.
 6
 7 Dictionary Tool
 8 1. Search English words
 9 2. Search Chinese word and show all possible matched
   English words list
10 3. Count letter occurrences
11 4. Draw letter occurrences bar graph
12 5. Exit
13 Enter your choice (1/2/3/4/5): 1
14 Enter a word to search: Happy
15 Search Results:
16 1. happy
17 2. unhappy
18 Total matched words: 2
19 Select a word from the matched words: unhappy
20 ['a.⬚⬚⬚⬚⬚⬚⬚⬚⬚']
21
22 Dictionary Tool
23 1. Search English words
24 2. Search Chinese word and show all possible matched
   English words list
25 3. Count letter occurrences
26 4. Draw letter occurrences bar graph
27 5. Exit
28 Enter your choice (1/2/3/4/5): 2
29 Enter a Chinese word to search: ⬚
30 Search Results:
31 1. ⬚
32 Total matched words: 1
33 Select a word from the matched words: ⬚
34 abandon
35 anchor
36 cast
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37 discard
38 throw
39 toss
40
41 Dictionary Tool
42 1. Search English words
43 2. Search Chinese word and show all possible matched
   English words list
44 3. Count letter occurrences
45 4. Draw letter occurrences bar graph
46 5. Exit
47 Enter your choice (1/2/3/4/5): 3
48 Letter Occurrences:
49 a, 2342
50 b, 496
51 n, 1961
52 d, 898
53 o, 1895
54 i, 2218
55 l, 1564
56 t, 2249
57 y, 580
58 e, 3677
59 r, 2341
60 m, 830
61 u, 1028
62 v, 382
63 s, 1739
64 c, 1333
65 p, 932
66 h, 730
67 g, 587
68 q, 55
69 j, 53
70 f, 488
71 w, 345
72 k, 235
73 z, 45
74 x, 100
75
76 Dictionary Tool
```

```
77 1. Search English words
78 2. Search Chinese word and show all possible matched
    English words list
79 3. Count letter occurrences
80 4. Draw letter occurrences bar graph
81 5. Exit
82 Enter your choice (1/2/3/4/5): 4
83
84 Dictionary Tool
85 1. Search English words
86 2. Search Chinese word and show all possible matched
    English words list
87 3. Count letter occurrences
88 4. Draw letter occurrences bar graph
89 5. Exit
90 Enter your choice (1/2/3/4/5): 5
91 Exiting...
92
93 Process finished with exit code 0
94
```