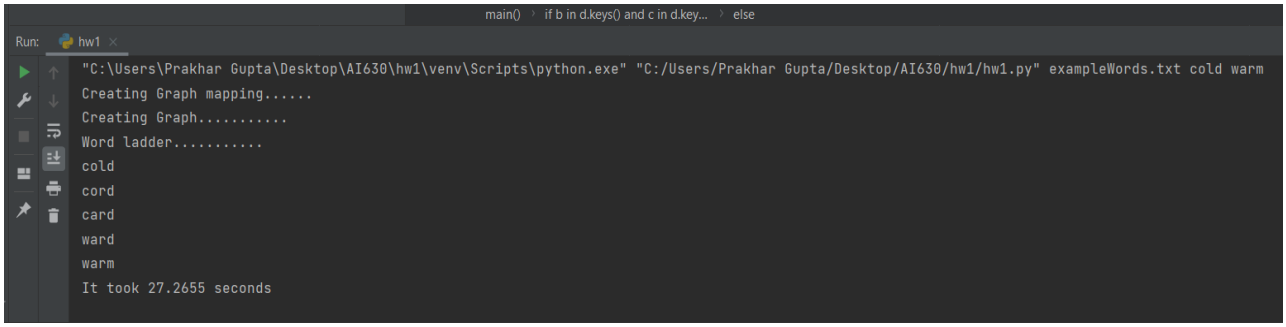
The code create a graph of words and then uses Breath First search to compute the word ladder.

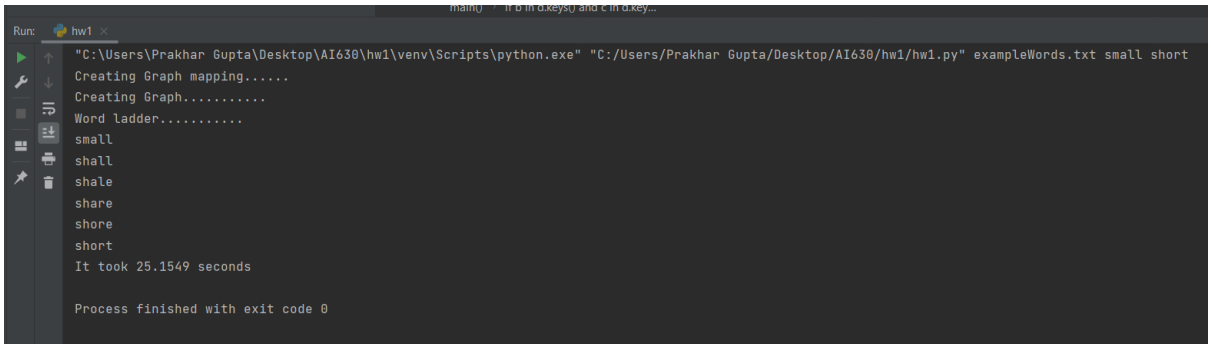
For creating the graph a similarity score is computed for each word against every word in the dictionary and only word which have a similarity score of 1 are accepted as immediate neighbour vertex.

Positive Cases-

Following is the output for cold to warm-



Following is the output for small to short-



Negative Case-

Following is the output for warm to short-