Exercise: Bucket and Radix Sort (SOLUTION)

Question A. Illustrate the operation of **Radix Sort** on the following list of words:
EVEN, COAT, TOYS, CUFF, MAZE, HAZE, DEMO, TOOK, GATE, FADE, BELL, CORK, KING, BRIO, NEWS, RATE, DOOR, TOOL.

EVEN	MAZE	EVEN	GATE	BELL
CUFF	HAZE	CUFF	RATE	CORK
MAZE	GATE	BELL	MAZE	CUFF
HAZE	RATE	DEMO	HAZE	DEMO
DEMO	CUFF	TOOK	BELL	EVEN
TOOK	TOOK	TOOL	DEMO	GATE
GATE	CORK	CORK	NEWS	HAZE
BELL	BELL	GATE	TOOK	MAZE
CORK	TOOL	RATE	TOOL	NEWS
NEWS	EVEN	NEWS	CORK	RATE
RATE	DEMO	MAZE	CUFF	TOOK
TOOL	NEWS	HAZE	EVEN	TOOL

Question B. Illustrate the operation of **Bucket Sort** on the array a = {.56, .34, .16, .75, .38, .40, .81, .55, .41, .42, .33, .25}