

DSA

ASSIGNMENT-2

NAME: MVS THARUN

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SECTION: D

USERNAME: Tharun-1127

GITHUB LINK: <https://github.com/Tharun-1127/DSA>

```
Enter number of rows: 6
Enter number of columns: 6
Enter the grid :
T H A R U N
H A R U N T
A R U N T H
R U N T H A
U N T H A R
H A R N T U
Enter the target word: ARU
Found horizontally -> Start: (0, 2) End: (0, 4)
Found horizontally -> Start: (1, 1) End: (1, 3)
Found horizontally -> Start: (2, 0) End: (2, 2)
Found vertically -> Start: (2, 0) End: (4, 0)
Found vertically -> Start: (1, 1) End: (3, 1)
Found vertically -> Start: (0, 2) End: (2, 2)
Found vertically -> Start: (3, 5) End: (5, 5)
```

```
Enter number of rows: 6
Enter number of columns: 6
Enter the grid :
T H A R U N
H A R U N T
A R U N T H
R U N T H A
U N T H A R
N T H A R U
Enter the target word: THARUN
Found horizontally -> Start: (0, 0) End: (0, 5)
Found vertically -> Start: (0, 0) End: (5, 0)
```

```
Enter number of rows: 6
Enter number of columns: 6
Enter the grid :
T H A R U N
H A R U N T
A R U N T H
R U N T H A
U N T H A R
H A R N T U
Enter the target word: RUN
Found horizontally -> Start: (0, 3) End: (0, 5)
Found horizontally -> Start: (1, 2) End: (1, 4)
Found horizontally -> Start: (2, 1) End: (2, 3)
Found horizontally -> Start: (3, 0) End: (3, 2)
Found vertically -> Start: (2, 1) End: (4, 1)
Found vertically -> Start: (1, 2) End: (3, 2)
Found vertically -> Start: (0, 3) End: (2, 3)
```

```
Enter number of rows: 6
Enter number of columns: 6
Enter the grid :
T H A R U N
H A R U N T
A R U N T H
R U N T H A
U N T H A R
H A R N T U
Enter the target word: THE

Word not found
```