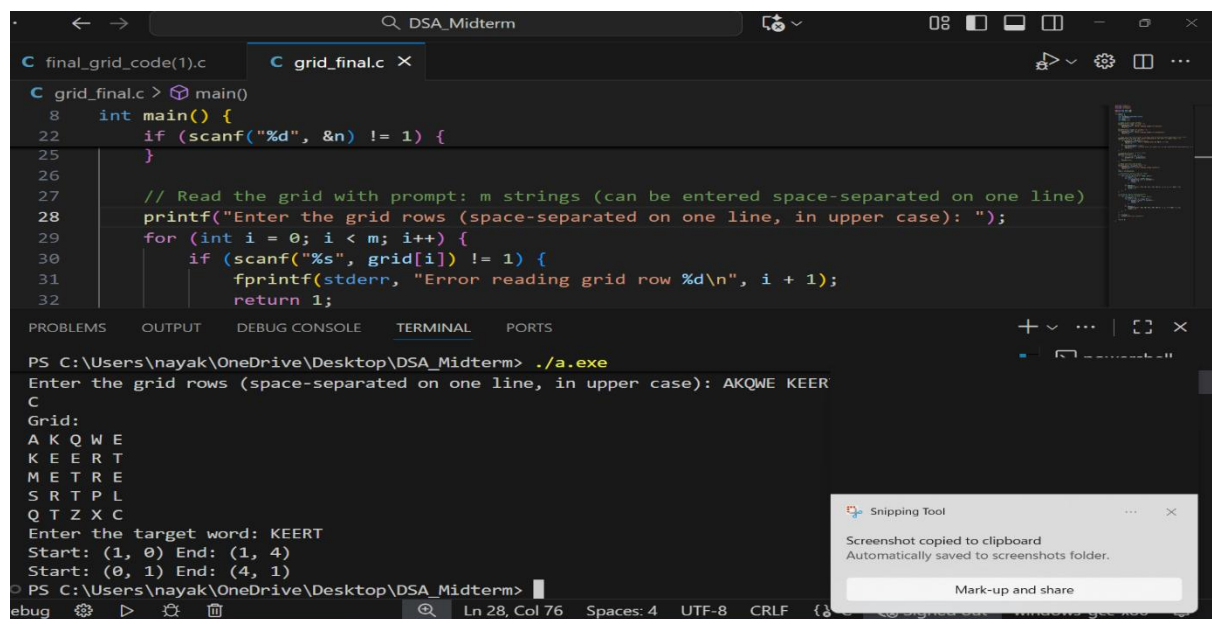


CHANAKYA UNIVERSITY

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Reg No: 24UG00439

OUTPUTS:



```
grid_final.c > main()
8   int main() {
22   if (scanf("%d", &n) != 1) {
25   }
26
27   // Read the grid with prompt: m strings (can be entered space-separated on one line)
28   printf("Enter the grid rows (space-separated on one line, in upper case): ");
29   for (int i = 0; i < m; i++) {
30       if (scanf("%s", grid[i]) != 1) {
31           fprintf(stderr, "Error reading grid row %d\n", i + 1);
32           return 1;
33       }
34   }
35
36   printf("Enter the target word: ");
37   if (scanf("%s", word) != 1) {
38       fprintf(stderr, "Error reading target word\n");
39       return 1;
40   }
41
42   if (search(grid, word, m, n)) {
43       printf("Word found\n");
44   } else {
45       printf("Word not found\n");
46   }
47   return 0;
48 }
```

PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm> ./a.exe

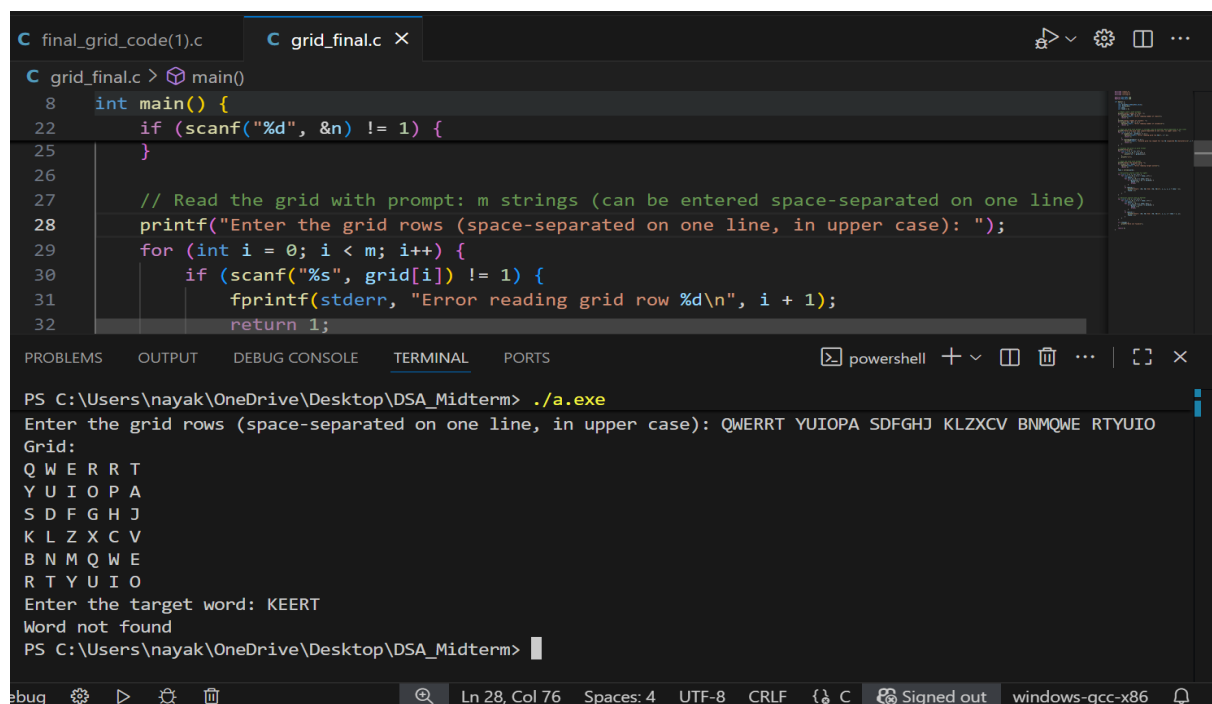
Enter the grid rows (space-separated on one line, in upper case): AKQWE KEERT

Grid:

A K Q W E
K E E R T
M E T R E
S R T P L
Q T Z X C

Enter the target word: KEERT

Start: (1, 0) End: (1, 4)
Start: (0, 1) End: (4, 1)



```
grid_final.c > main()
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46   }
47   return 0;
48 }
```

PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm> ./a.exe

Enter the grid rows (space-separated on one line, in upper case): QWERRT YUIOPA SDFGHJ KLZXC VBNMQWE RTYUIO

Grid:

Q W E R R T
Y U I O P A
S D F G H J
K L Z X C V
B N M Q W E
R T Y U I O

Enter the target word: KEERT

Word not found

```
C final_grid_code(1).c  C grid_final.c X
C grid_final.c > main()
8  int main() {
21  printf("Enter number of columns: ");
22  if (scanf("%d", &n) != 1) {
23      fprintf(stderr, "Error reading number of columns\n");
24      return 1;
25  }
26
27  // Read the grid with prompt: m strings (can be entered space-separated on one line)
28  printf("Enter the grid rows (space-separated on one line, in upper case): ");
29  for (int i = 0; i < m; i++) {

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm> gcc grid_final.c
PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm> ./a.exe
Enter number of rows: 6
Enter number of columns: 5
Enter the grid rows (space-separated on one line, in upper case): KEERTH ERTYUI EDCVFR REWWQA
TNMJKI
Invalid grid row length for row 1 (expected 5 characters)
PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm>
```

```
C final_grid_code(1).c  C grid_final.c X
C grid_final.c > main()
8  int main() {
21  printf("Enter number of columns: ");
22  if (scanf("%d", &n) != 1) {
23      fprintf(stderr, "Error reading number of columns\n");
24      return 1;
25  }
26

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm> ./a.exe
Enter the grid rows (space-separated on one line, in upper case): KEERT ERTYU EDCVF REWWQ TNMJ
K CDEWS
Grid:
K E E R T
E R T Y U
E D C V F
R E W W Q
T N M J K
C D E W S
Enter the target word: KEERT
Start: (0, 0) End: (0, 4)
Start: (0, 0) End: (4, 0)
PS C:\Users\nayak\OneDrive\Desktop\DSA_Midterm>
```