

## C++ -- Blindfolded Runner

A runner is blindfolded and placed between two long rows of hay bales with 5 feet of space on either side. Assume the runner is one foot wide, so there is a total of 11 feet of space between the rows. When told to begin running the runner takes a step. That step is either straight forward, diagonally left, or diagonally right with equal probability. The runner runs until hitting a hay bale.

Create visual output that simulates this as shown below. When the runner crashes, show the crash by changing the runner from a '+' to an 'X' and display the total number of steps taken.

After the crash, ask if they want to play again to rerun the program.

**Vertical vs Horizontal Output:** Give an option to either display the activity vertically down the screen or horizontally. For the Horizontal Output, clear the screen between each redraw so that it looks as if the + is moving left and right in place.

Vertical Output:

```
|      +      |
|      +      |
|      +      |
|     +       |
|      +      |
|       +     |
|        +    |
|         +   |
|          +  |
|           + |
|            +|
|             +|
|              +|
|               +|
|                X|
```

Horizontal Output:

```
|      +      |
```

Total Steps Taken: 13

Would you like to play again? (y/n)