```
1
а
                                                                                if (pathway[i]){
    printf("pathway[%d] is open \n", i);
    else{
        printf("pathway[%d] is close \n", i);
        pathway[4] is close
        pathway[4] is close
        pathway[5] is close
        pathway[6] is close
        pathway[7] is close
        pathway[7] is close
        pathway[7] is close
         Revised line 16: bool pathway[8] = \{[0, 2] = true\};
                    #include <std10.h>
#include<stdb001.h>
#include <conio.h>
b
                    #define NUM_PATHWAYS ((int)(sizeof(pathway)/sizeof(pathway[0])))
                          A boolean array that contains true/false values reffering to whether a certain pathway is open/close for transportation.
                                                                                                                C:\Users\acer\... —
                                                                                                                                                                    ×
                           bool pathway[8] = {true, false, true};
                                pathway[8] = {true, false, true};

pathway[8] is open

pathway[1] is close
pathway[2] is open
pathway[2] is open
pathway[3] is close
pathway[4] is close
pathway[4] is close
pathway[5] is close
pathway[6] is close
pathway[7] is close
pathway[7] is close
                                 if (pathway[i]){
    printf("pathway[%d] is open \n", i);
}
                           getch();
return 0;
         Revised line 16: bool pathway[8] = {true, false, true};
```

```
//initialize array (matrix)
int road_networks[ROW][COLUMN] =
2
            C:\Users\acer\Documents\CMSC21\Lecture6-7\Assignments\as...
                                                                                                                                                                                                                                                          [C]
                                                                                                                                            0
0
                                                                                                                                                                                                                                                           0
0
0
                                                                                                                           Which point are you located? 0 - A 1 - B 2
4 - E 5 - F 6 - G 7 - H
Enter your location: 7
At point: H
Now at point: F
Now at point: [C]
Arrived at nearest charging station at point: [C]
          //breaks loop if valid input
else if (location>=0 || location<=7)
                         printf("At point: %s\n",point[location]);
check=1;
            }
for (int i=0; i<COLUMN; i++){
   if (road networks[location][2]==1){ // directly at c
        printf("Now at point: %s\n",point[2]);
        printf("Arrived at nearest charging station at point: %s",point[2]);
        break;
}</pre>
                   }
else if (road_networks[location][3]==1){ // directly at D
    printf("Now at point: %s\n",point[3]);
    printf("Arrived at nearest charging station at point: %s",point[3]);
    break;
                   }
else if (road_networks[location][i]==1){
    printf("Now at point: %s\n".point[i]);
    if (point[i]==point[2]){
        printf("Arrived at nearest charging station at point: %s",point[i]);
        break;
                          }
else if (point[i]==point[3]){
   printf("Arrived at nearest charging station at point: %s",point[i]);
   break;
                          }
else{
location-i; //returns if point not found
```