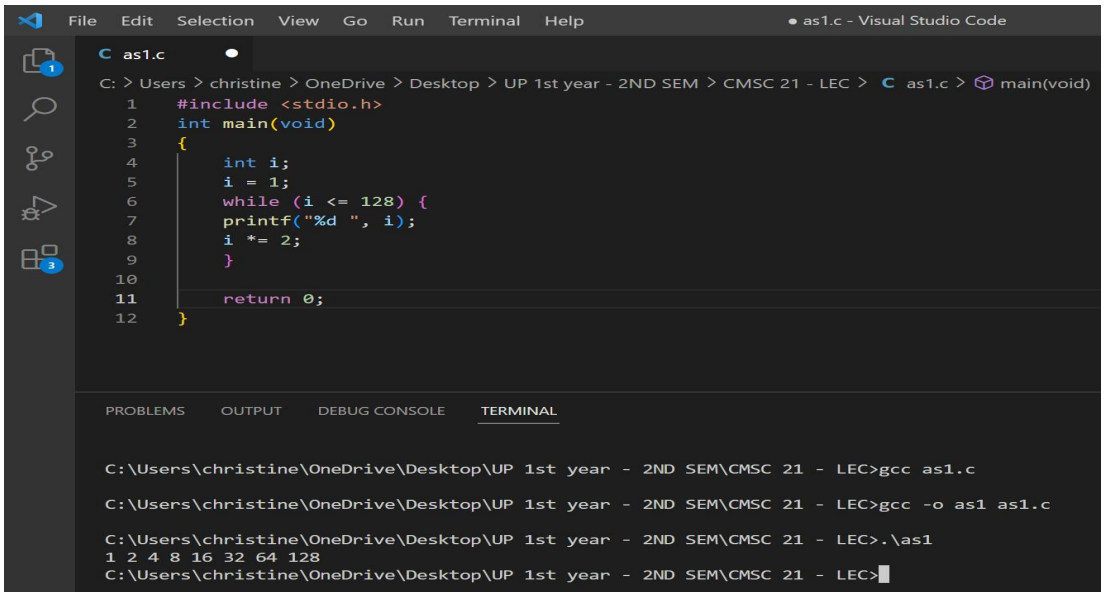
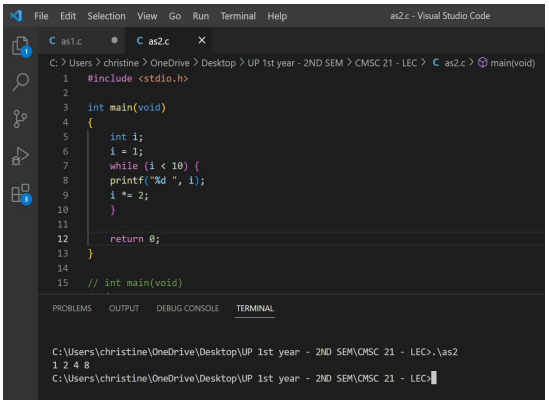
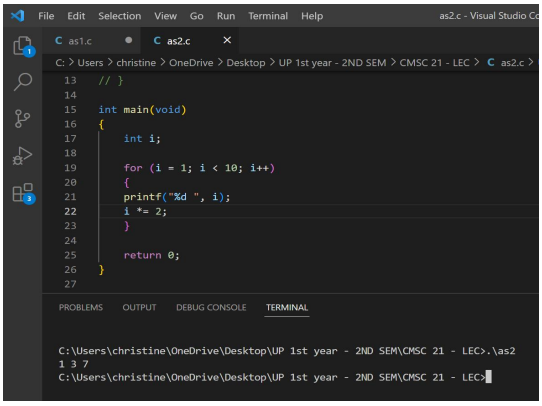
Christine Jean M. Pagunsan

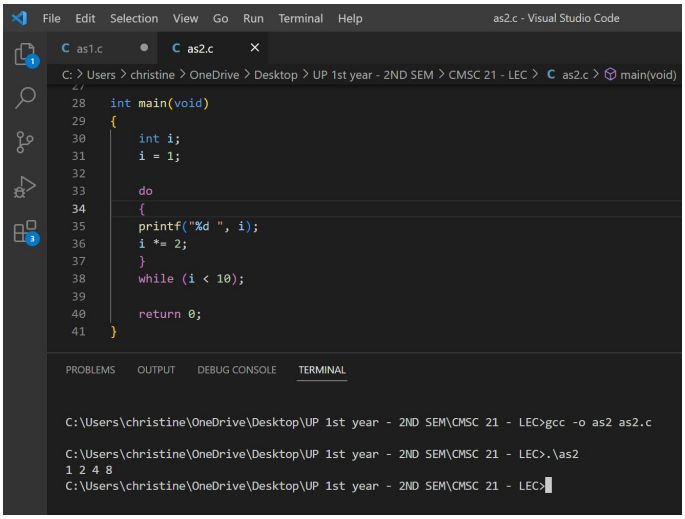
1.



2.

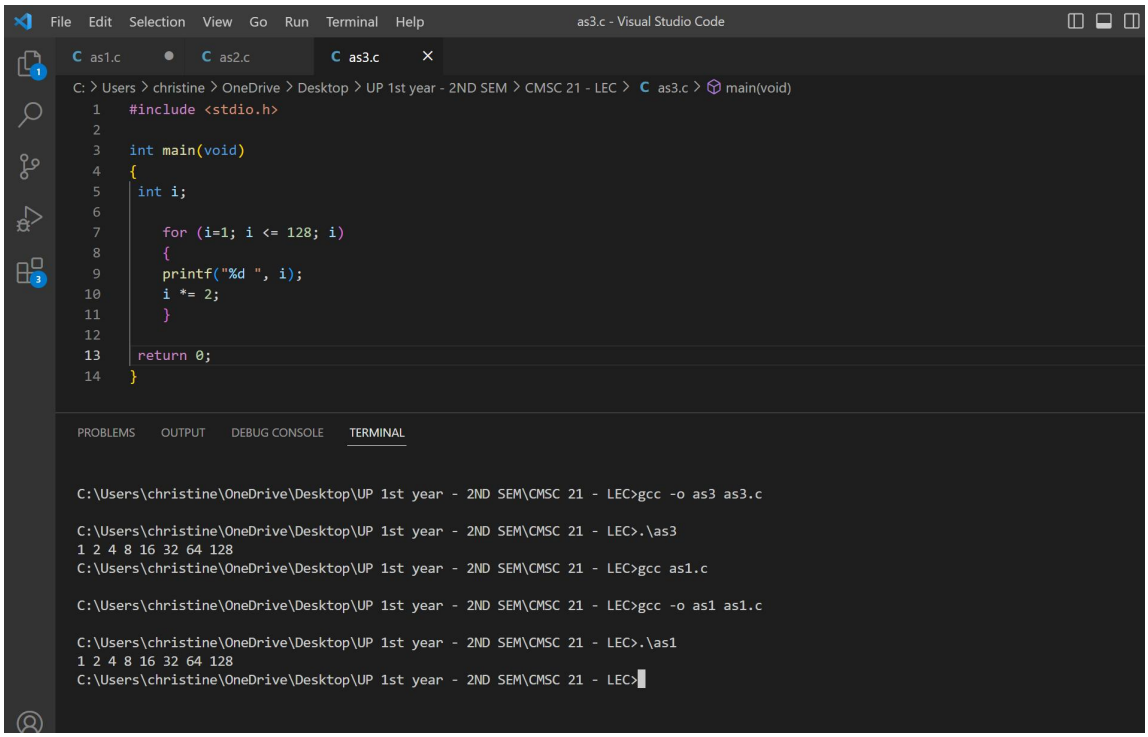




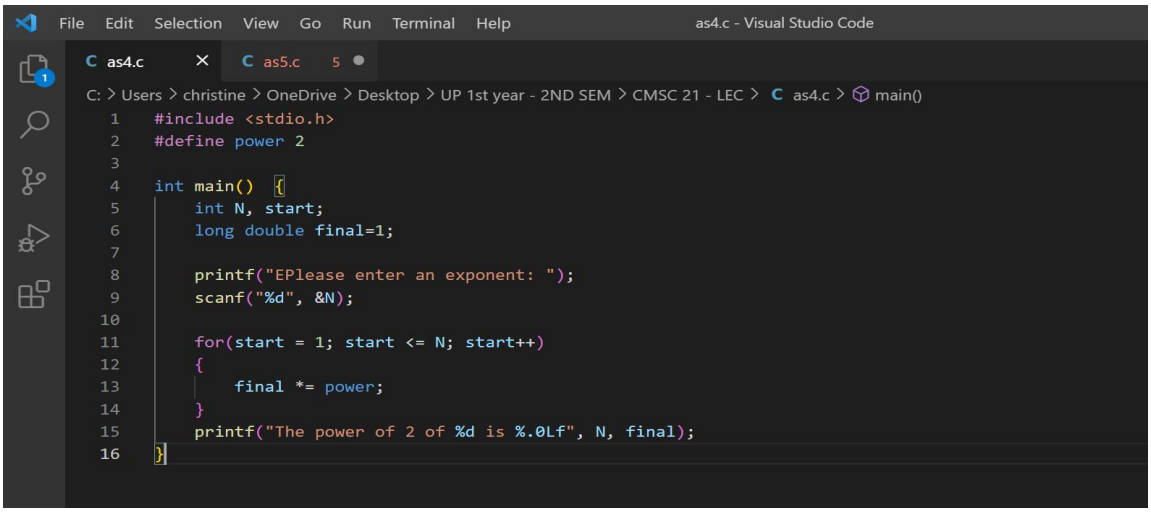


Code B is not equivalent with the other codes.

3.

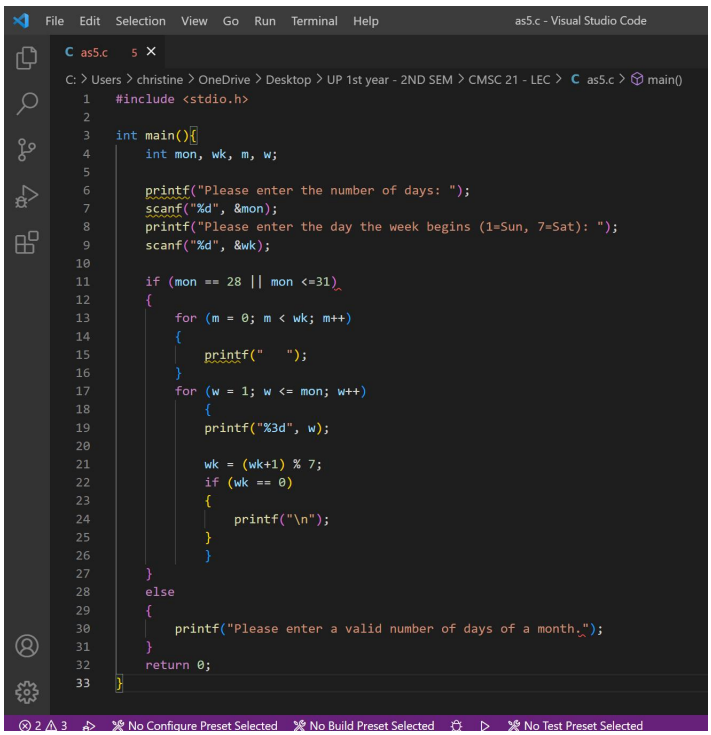


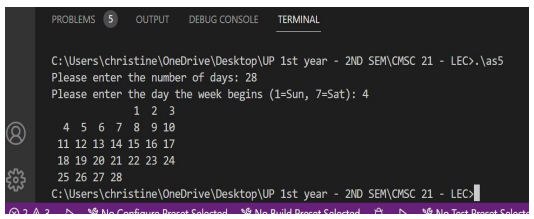
4.



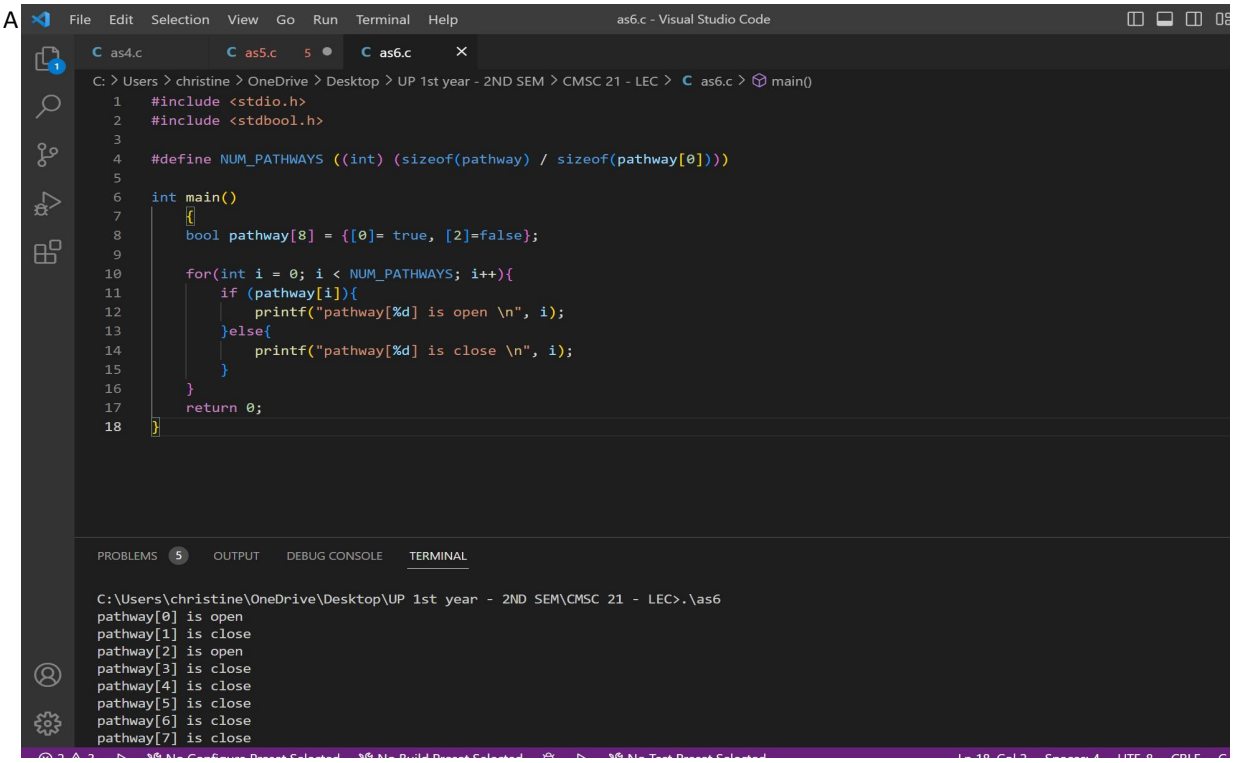

```
Please enter an exponent: 8
The power of 2 of 8 is 256
```

5.

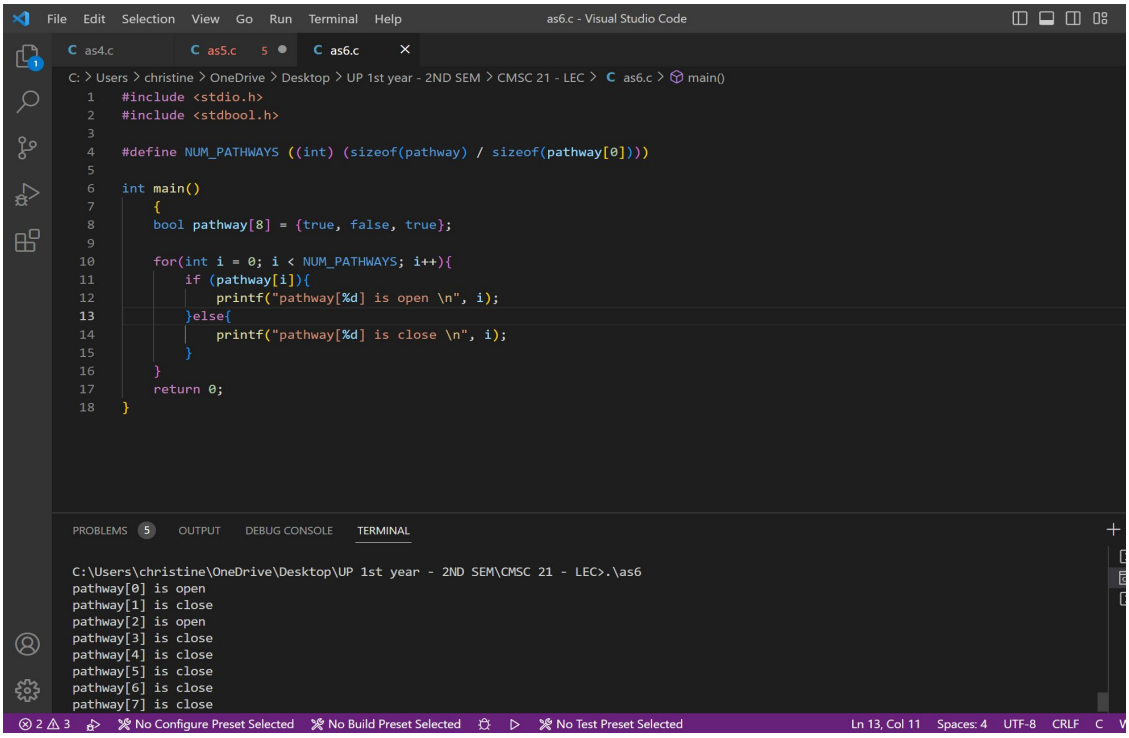

File Edit Selection View Go Run Terminal Help
as5.c - Visual Studio Code
as5.c 5
C: > Users > christine > OneDrive > Desktop > UP 1st year - 2ND SEM > CMSC 21 - LEC > as5.c > main()
#include <stdio.h>
int main(){
int mon, wk, m, w;
printf("Please enter the number of days: ");
scanf("%d", &mon);
printf("Please enter the day the week begins (1=Sun, 7=Sat): ");
scanf("%d", &wk);
if (mon == 28 || mon <=31)
{
for (m = 0; m < wk; m++)
{
printf(" ");
}
for (w = 1; w <= mon; w++)
{
printf("%3d", w);
wk = (wk+1) % 7;
if (wk == 0)
{
printf("\n");
}
}
}
else
{
printf("Please enter a valid number of days of a month.");
}
return 0;
}
No Configure Preset Selected
No Build Preset Selected
No Test Preset Selected


PROBLEMS 5
OUTPUT
DEBUG CONSOLE
TERMINAL
C:\Users\christine\OneDrive\Desktop\UP 1st year - 2ND SEM\CMSC 21 - LEC>.\as5
Please enter the number of days: 28
Please enter the day the week begins (1=Sun, 7=Sat): 4
1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28
C:\Users\christine\OneDrive\Desktop\UP 1st year - 2ND SEM\CMSC 21 - LEC>

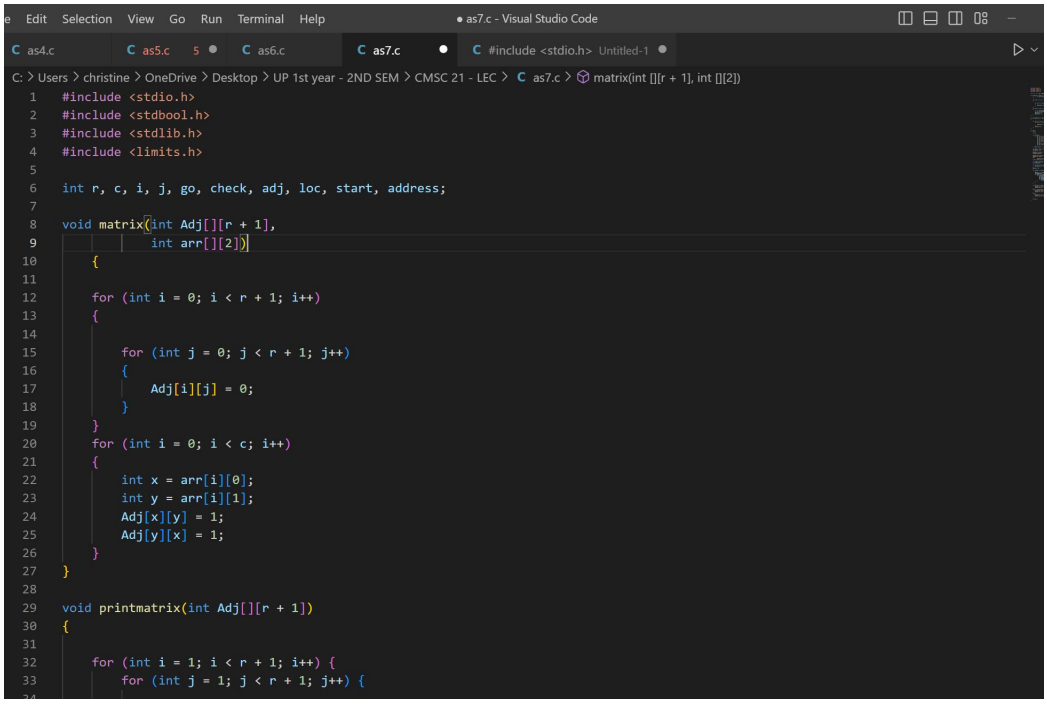
6. A

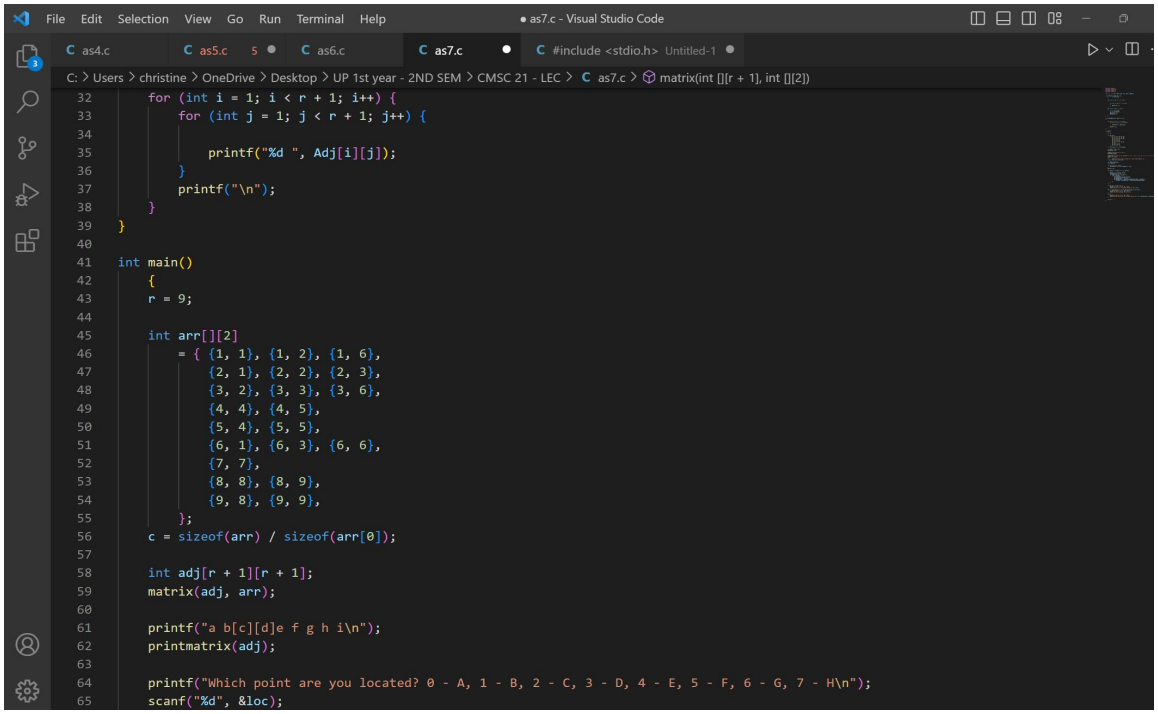

File Edit Selection View Go Run Terminal Help
as6.c - Visual Studio Code
as4.c
as5.c 5
as6.c
C: > Users > christine > OneDrive > Desktop > UP 1st year - 2ND SEM > CMSC 21 - LEC > as6.c > main()
#include <stdio.h>
#include <stdbool.h>
#define NUM_PATHWAYS ((int) (sizeof(pathway) / sizeof(pathway[0])))
int main()
{
bool pathway[8] = {[0]= true, [2]=false};
for(int i = 0; i < NUM_PATHWAYS; i++){
if (pathway[i]){
printf("pathway[%d] is open \n", i);
}else{
printf("pathway[%d] is close \n", i);
}
}
return 0;
}
PROBLEMS 5
OUTPUT
DEBUG CONSOLE
TERMINAL
C:\Users\christine\OneDrive\Desktop\UP 1st year - 2ND SEM\CMSC 21 - LEC>.\as6
pathway[0] is open
pathway[1] is close
pathway[2] is open
pathway[3] is close
pathway[4] is close
pathway[5] is close
pathway[6] is close
pathway[7] is close

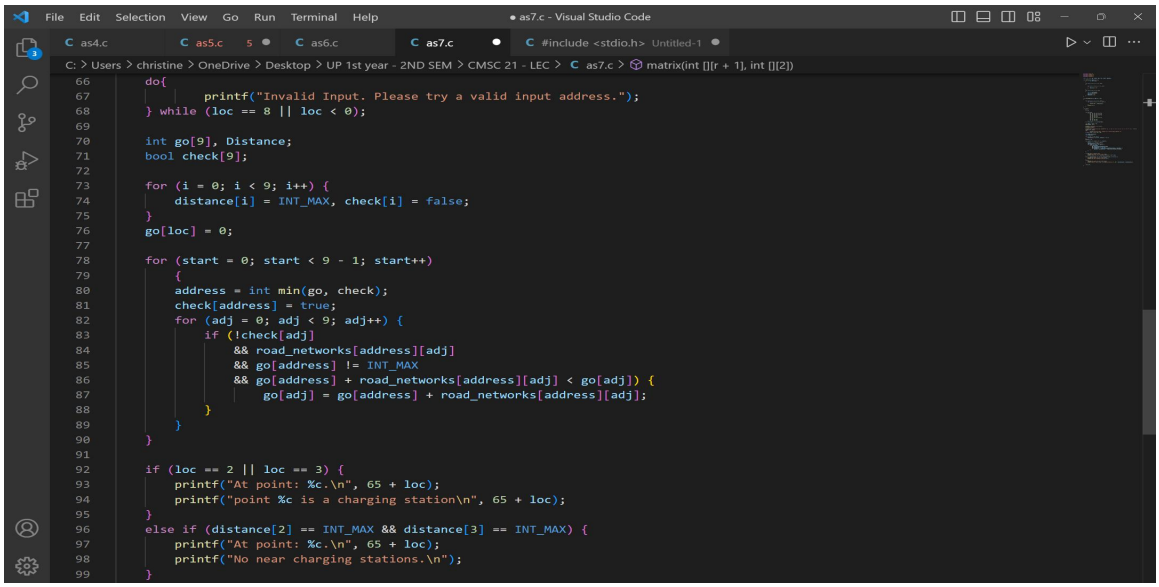
B.

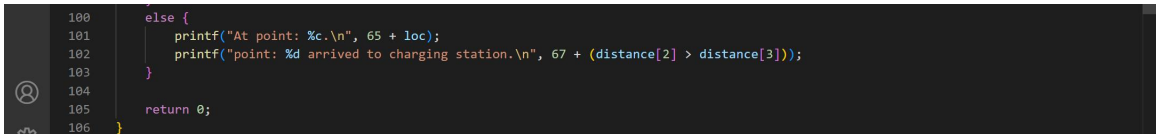

File Edit Selection View Go Run Terminal Help
as6.c - Visual Studio Code
as4.c
as5.c 5
as6.c
C: > Users > christine > OneDrive > Desktop > UP 1st year - 2ND SEM > CMSC 21 - LEC > as6.c > main()
#include <stdio.h>
#include <stdbool.h>
#define NUM_PATHWAYS ((int) (sizeof(pathway) / sizeof(pathway[0])))
int main()
{
bool pathway[8] = {true, false, true};
for(int i = 0; i < NUM_PATHWAYS; i++){
if (pathway[i]){
printf("pathway[%d] is open \n", i);
}else{
printf("pathway[%d] is close \n", i);
}
}
return 0;
}
PROBLEMS 5
OUTPUT
DEBUG CONSOLE
TERMINAL
C:\Users\christine\OneDrive\Desktop\UP 1st year - 2ND SEM\CMSC 21 - LEC>.\as6
pathway[0] is open
pathway[1] is close
pathway[2] is open
pathway[3] is close
pathway[4] is close
pathway[5] is close
pathway[6] is close
pathway[7] is close
No Configure Preset Selected
No Build Preset Selected
No Test Preset Selected
Ln 13, Col 11
Spaces: 4
UTF-8
CRLF
C

7.


Edit Selection View Go Run Terminal Help
• as7.c - Visual Studio Code
as4.c
as5.c 5
as6.c
as7.c
#include <stdio.h> Untitled-1
C: > Users > christine > OneDrive > Desktop > UP 1st year - 2ND SEM > CMSC 21 - LEC > as7.c > matrix(int [][r + 1], int [][2])
#include <stdio.h>
#include <stdbool.h>
#include <stdlib.h>
#include <limits.h>
int r, c, i, j, go, check, adj, loc, start, address;
void matrix(int Adj[][r + 1],
int arr[][2])
{
for (int i = 0; i < r + 1; i++)
{
for (int j = 0; j < r + 1; j++)
{
Adj[i][j] = 0;
}
}
for (int i = 0; i < c; i++)
{
int x = arr[i][0];
int y = arr[i][1];
Adj[x][y] = 1;
Adj[y][x] = 1;
}
}
void printmatrix(int Adj[][r + 1])
{
for (int i = 1; i < r + 1; i++) {
for (int j = 1; j < r + 1; j++) {








```
a b[c][d]e f g h i
1 1 0 0 0 1 0 0 0
1 1 1 0 0 0 0 0 0
0 1 1 0 0 1 0 0 0
0 0 0 1 1 0 0 0 0
0 0 0 1 1 0 0 0 0
1 0 1 0 0 1 0 0 0
0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 1 1
0 0 0 0 0 0 0 1 1
Which point are you located? 0 - A, 1 - B, 2 - C, 3 - D, 4 - E, 5 - F, 6 - G, 7 - H
3
At point: D.
point D is a charging station
```