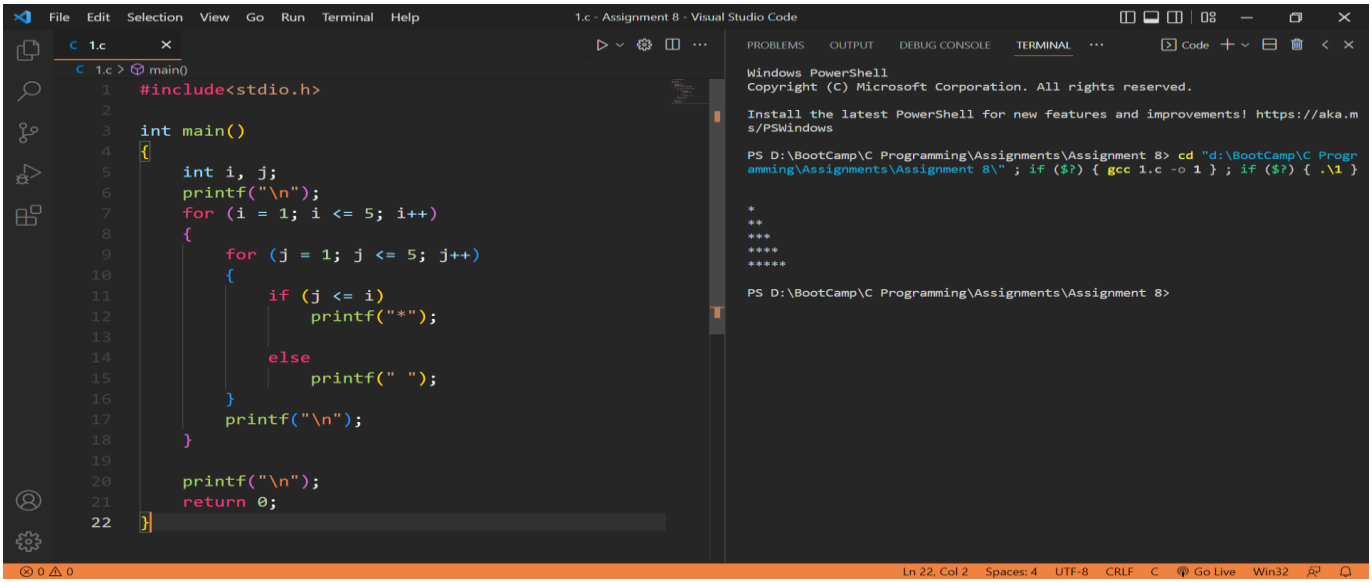
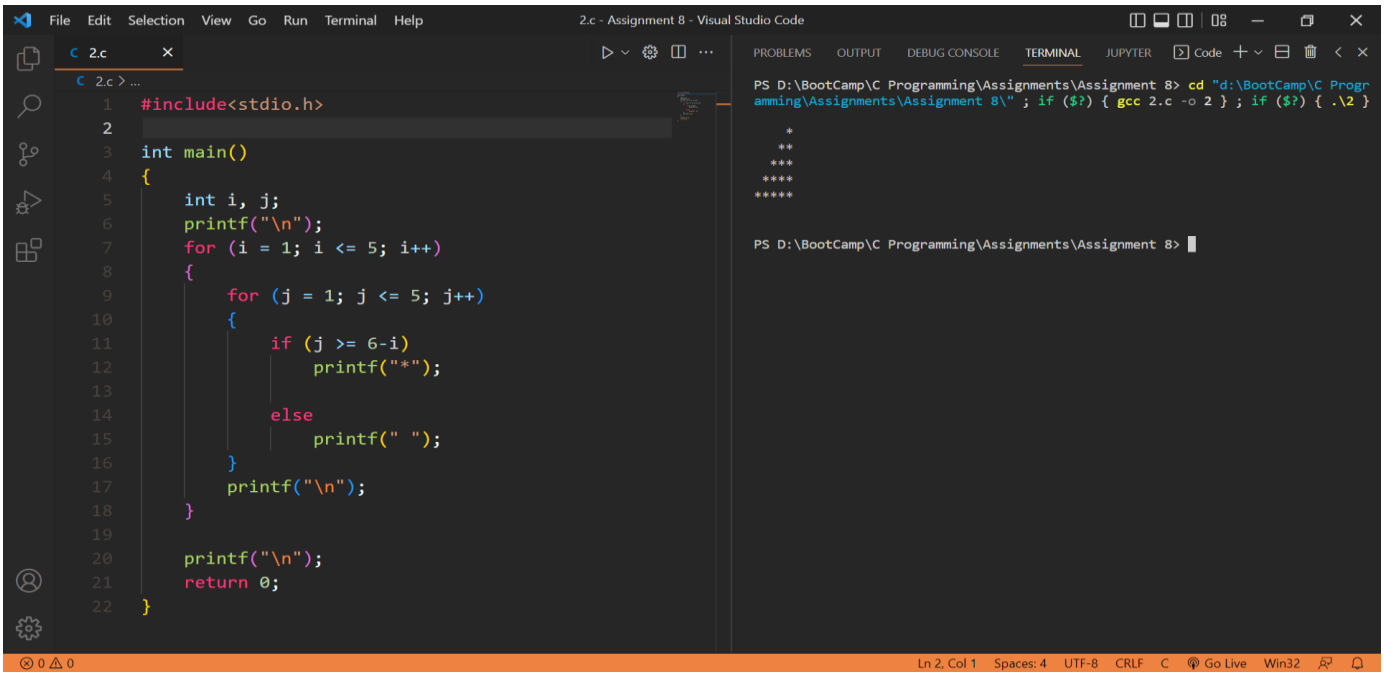
ASSIGNMENT – 08

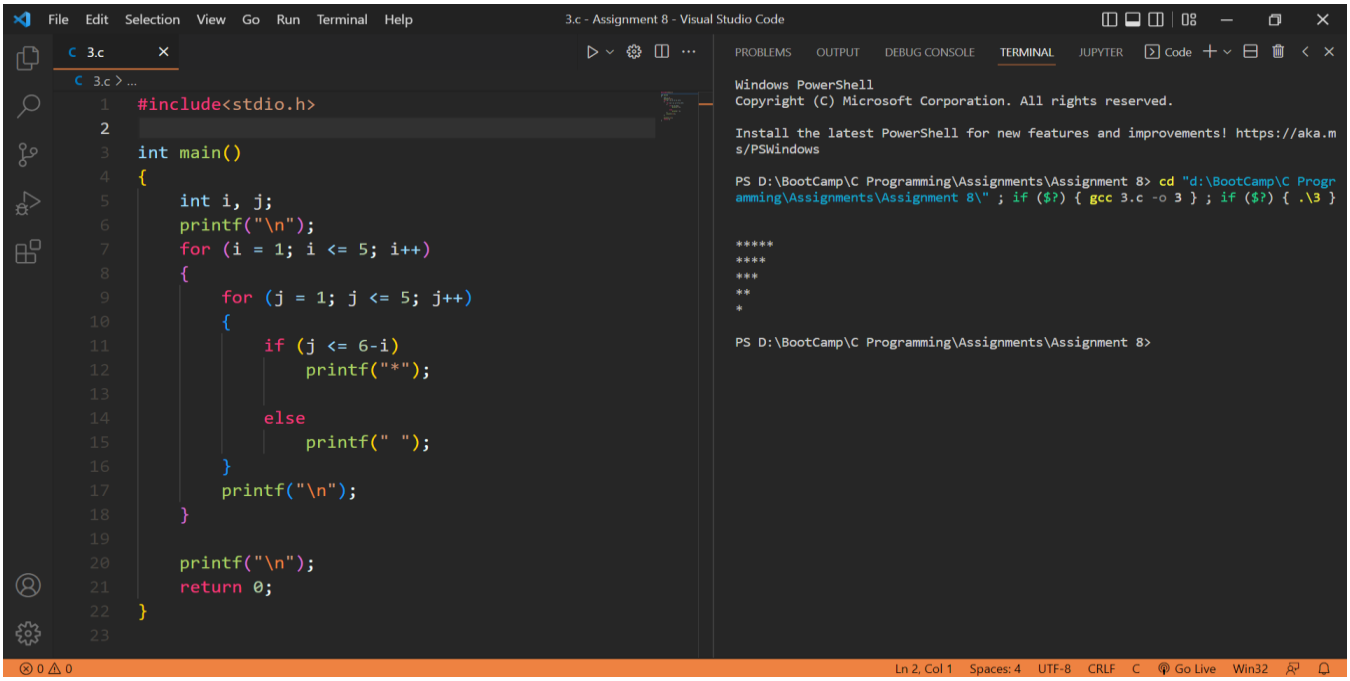
Q1.



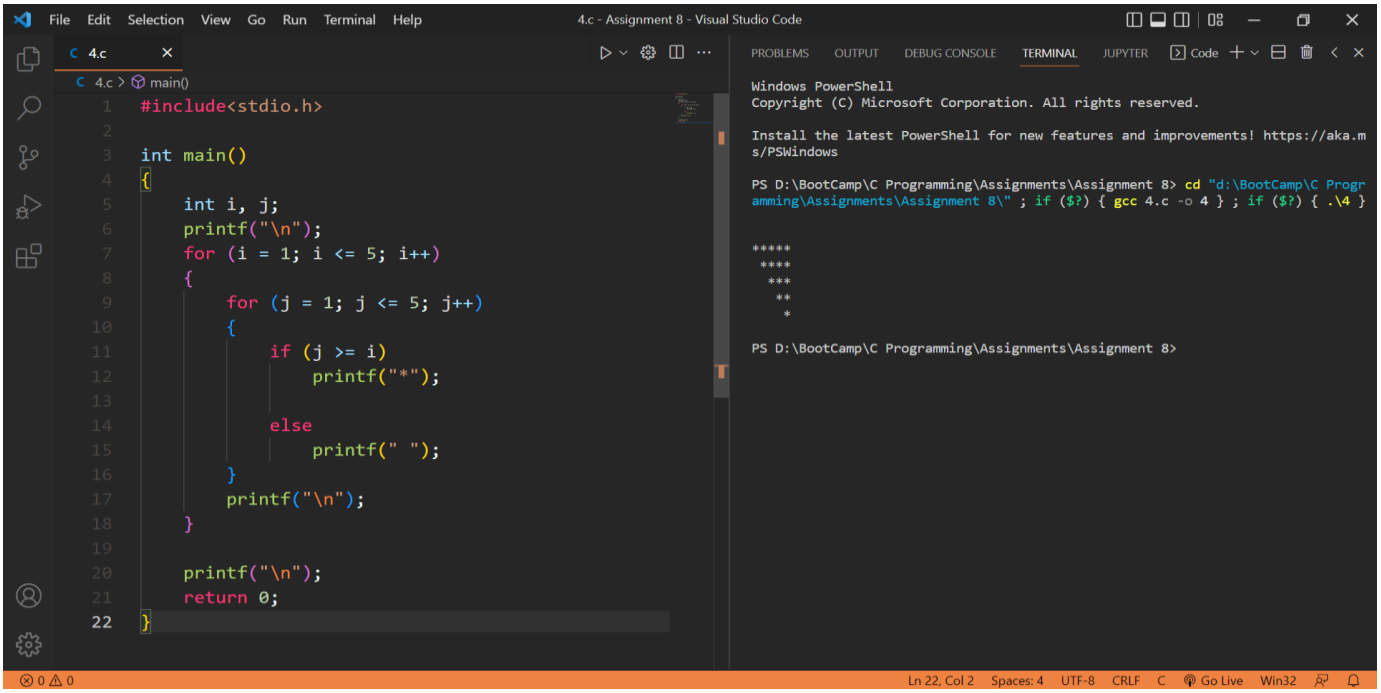
Q2.



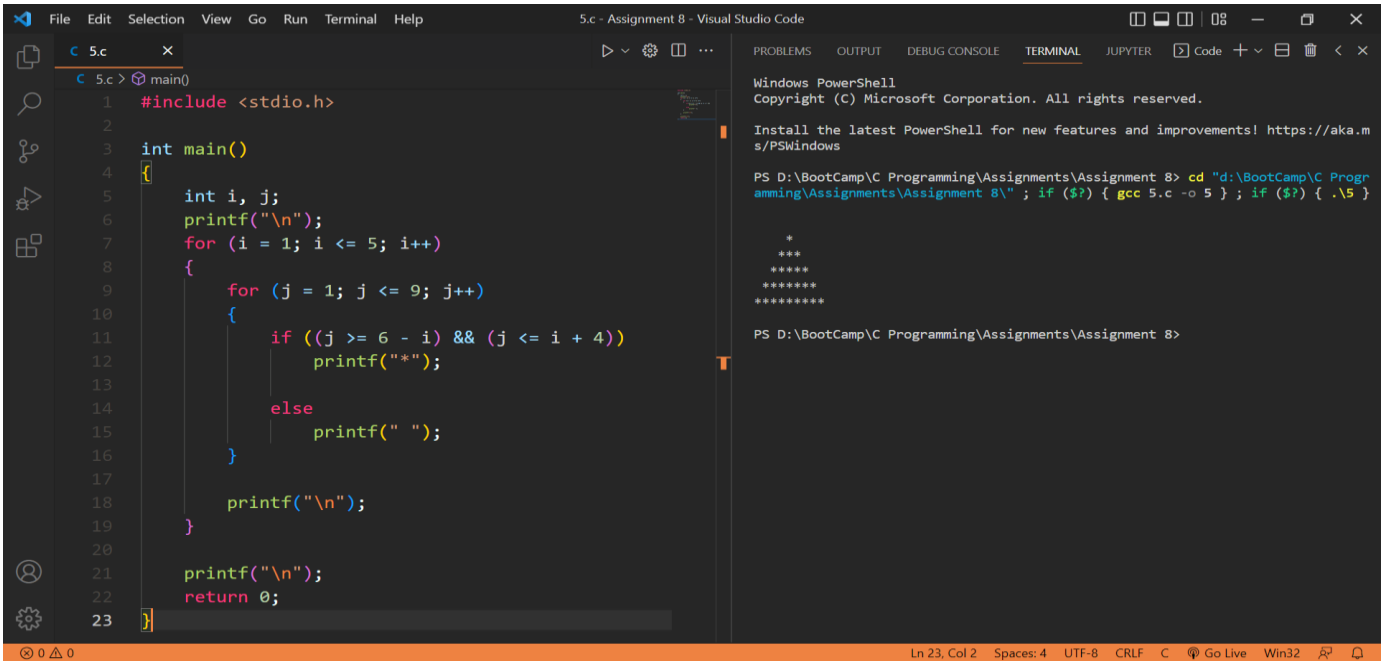
Q3.


File Edit Selection View Go Run Terminal Help
3.c - Assignment 8 - Visual Studio Code
3.c
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 1; i <= 5; i++)
{
for (j = 1; j <= 5; j++)
{
if (j <= 6-i)
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 3.c -o 3 } ; if ($?) { .\3 }
*****
****
***
**
*
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 2, Col 1 Spaces: 4 UTF-8 CRLF C Go Live Win32

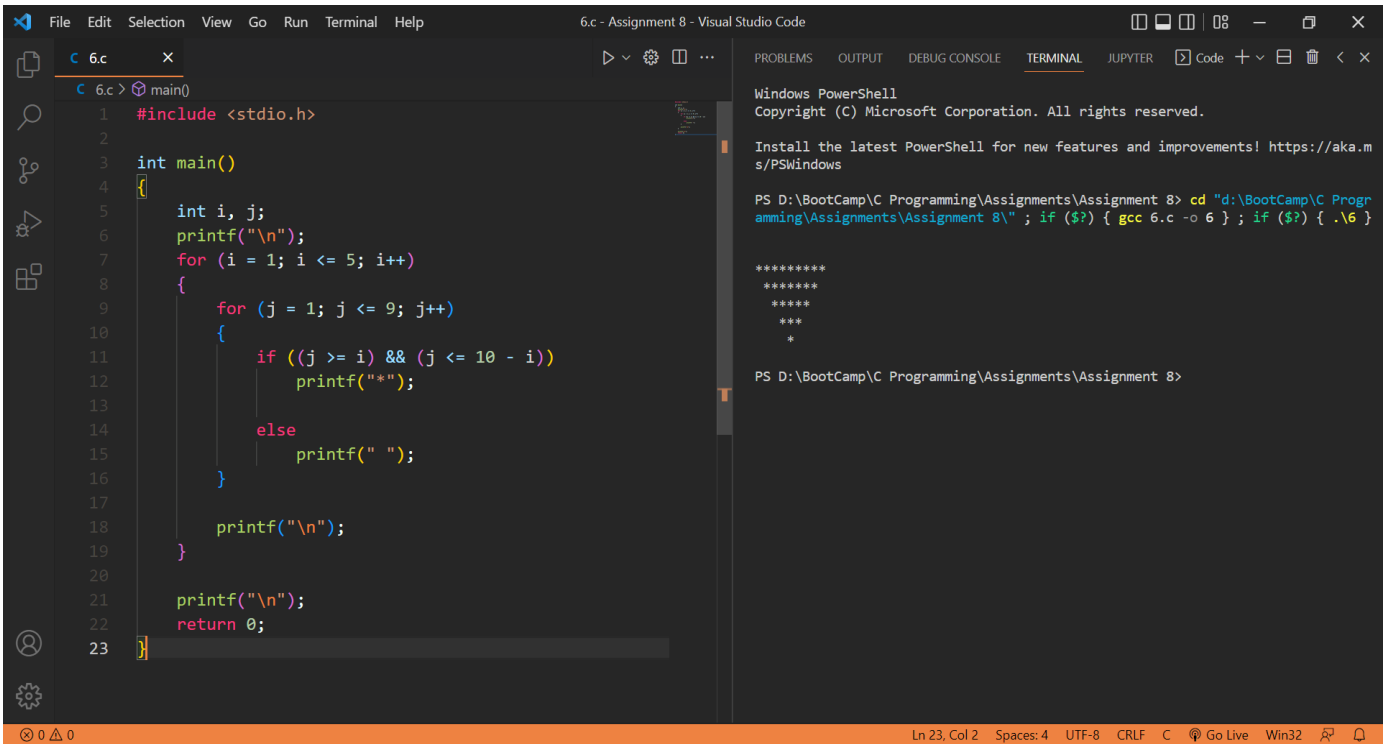
Q4.


File Edit Selection View Go Run Terminal Help
4.c - Assignment 8 - Visual Studio Code
4.c
4.c > main()
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 1; i <= 5; i++)
{
for (j = 1; j <= 5; j++)
{
if (j >= i)
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 4.c -o 4 } ; if ($?) { .\4 }
*****
****
***
**
*
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 22, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

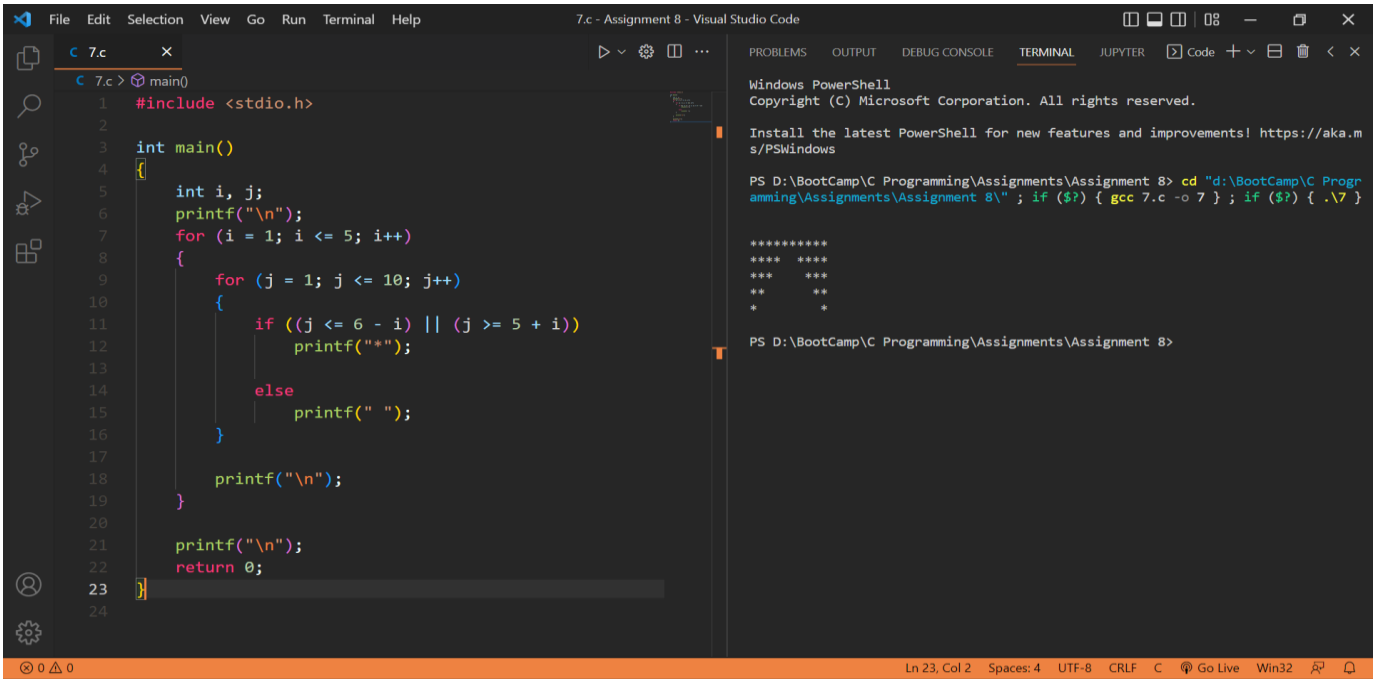
Q5.


File Edit Selection View Go Run Terminal Help
5.c - Assignment 8 - Visual Studio Code
5.c
5.c > main()
#include <stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 1; i <= 5; i++)
{
for (j = 1; j <= 9; j++)
{
if ((j >= 6 - i) && (j <= i + 4))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 5.c -o 5 } ; if ($?) { .\5 }
*
***
*****
****
****
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 23, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

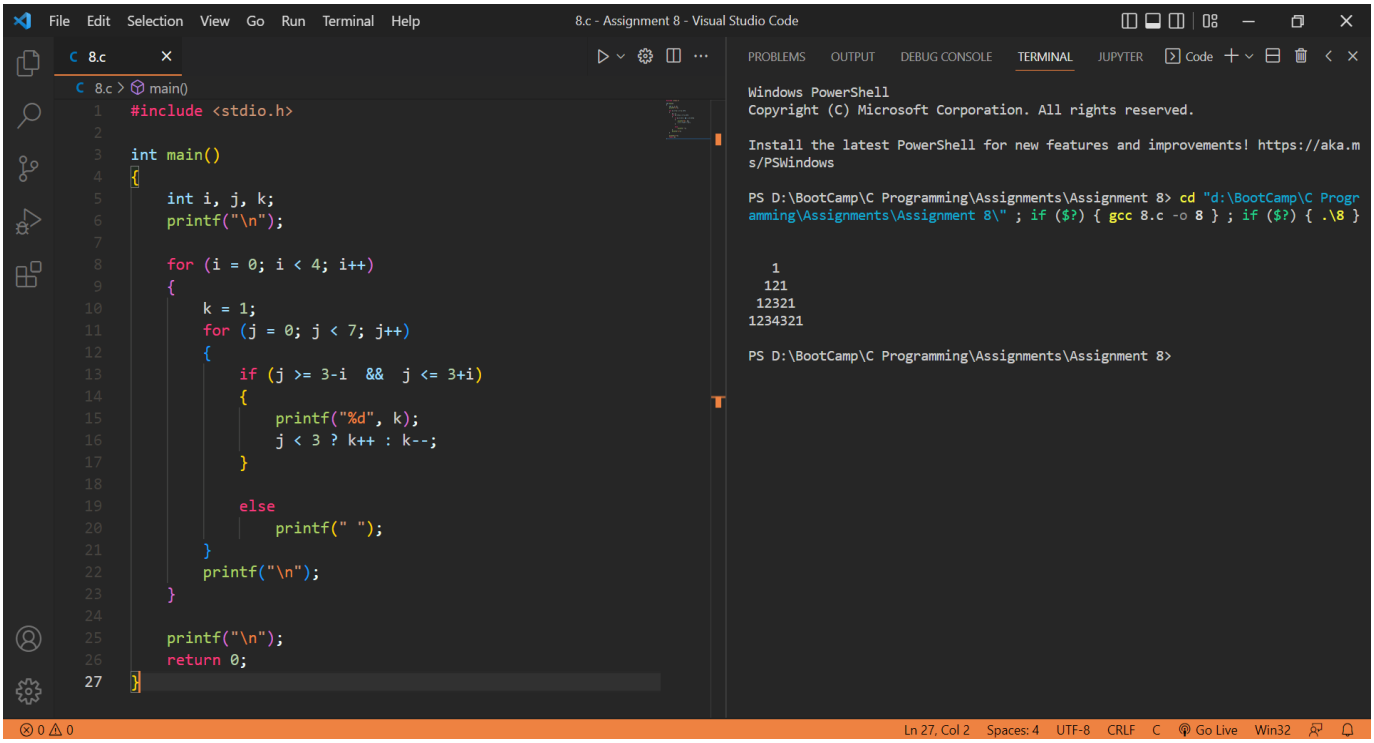
Q6.


File Edit Selection View Go Run Terminal Help
6.c - Assignment 8 - Visual Studio Code
6.c
6.c > main()
#include <stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 1; i <= 5; i++)
{
for (j = 1; j <= 9; j++)
{
if ((j >= i) && (j <= 10 - i))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 6.c -o 6 } ; if ($?) { .\6 }
****
****
*****
***
*
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 23, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

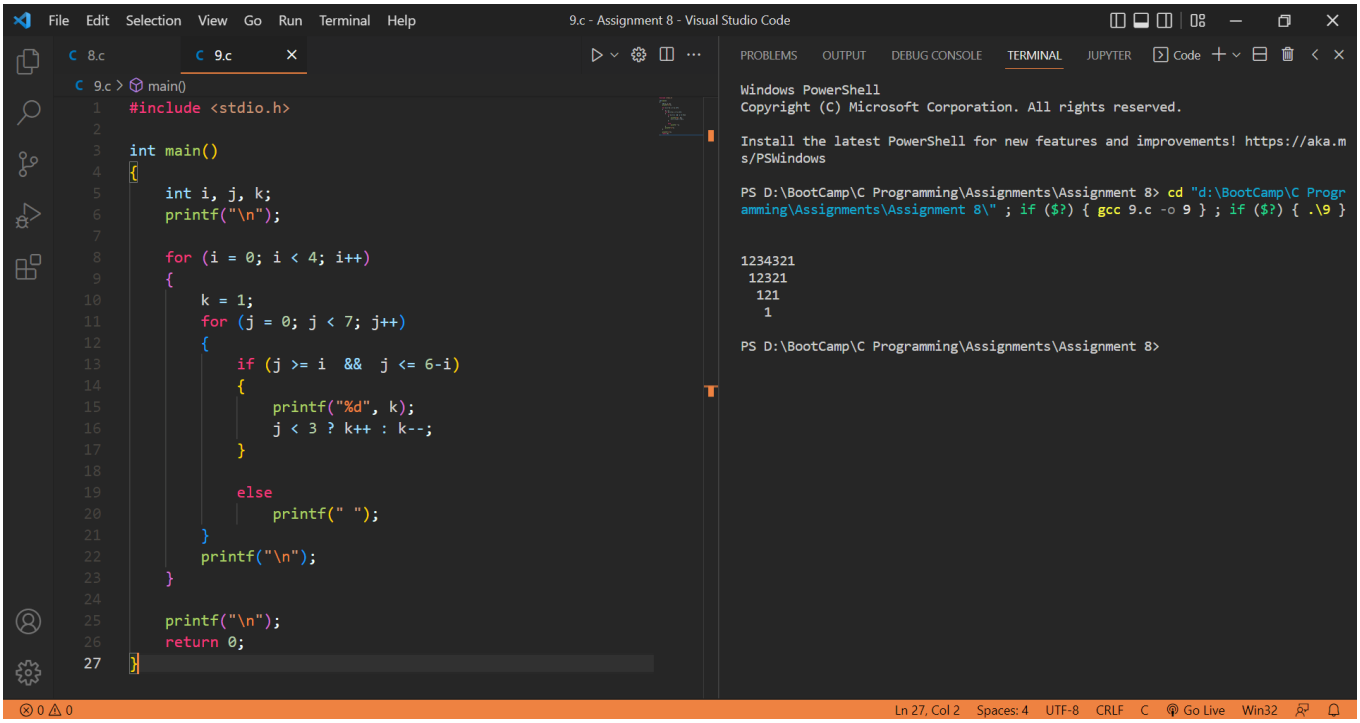
Q7.


File Edit Selection View Go Run Terminal Help
7.c - Assignment 8 - Visual Studio Code
7.c
7.c > main()
#include <stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 1; i <= 5; i++)
{
for (j = 1; j <= 10; j++)
{
if ((j <= 6 - i) || (j >= 5 + i))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 7.c -o 7 } ; if ($?) { .\7 }
****
**** ****
*** ***
** **
* *
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 23, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

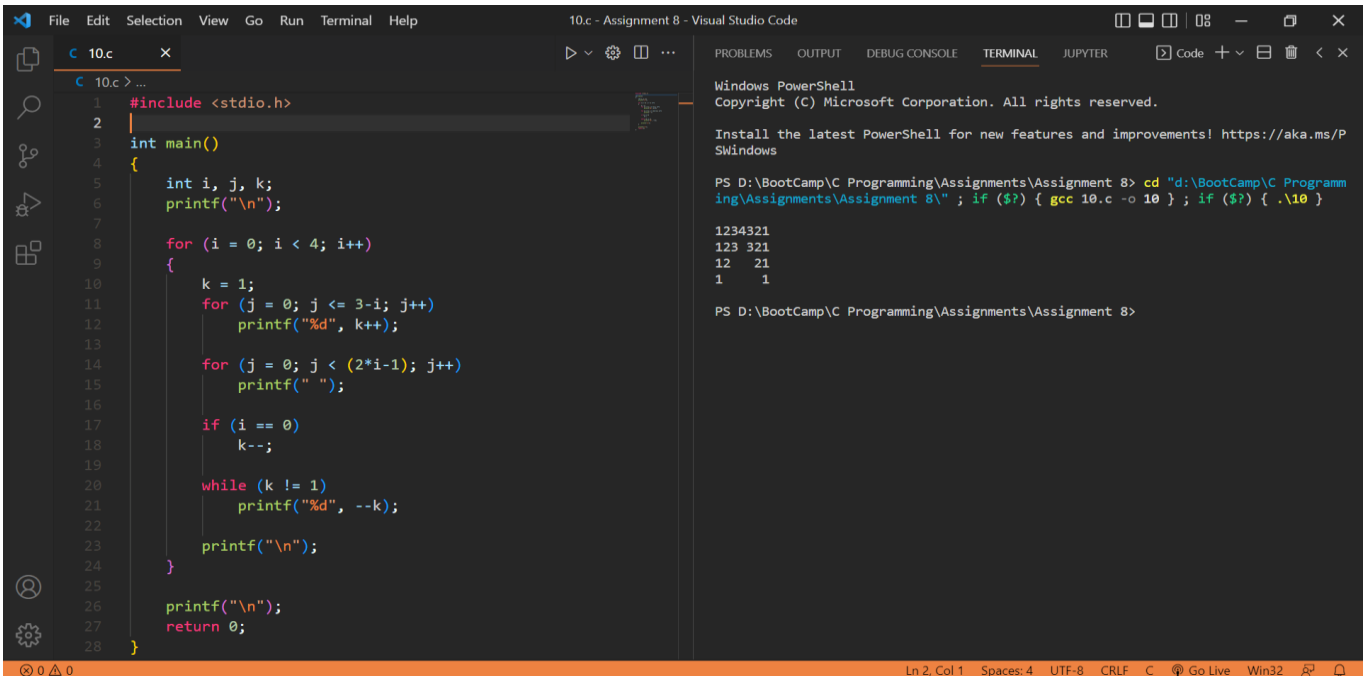
Q8.


File Edit Selection View Go Run Terminal Help
8.c - Assignment 8 - Visual Studio Code
8.c
8.c > main()
#include <stdio.h>
int main()
{
int i, j, k;
printf("\n");
for (i = 0; i < 4; i++)
{
k = 1;
for (j = 0; j < 7; j++)
{
if (j >= 3-i && j <= 3+i)
{
printf("%d", k);
j < 3 ? k++ : k--;
}
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 8.c -o 8 } ; if ($?) { .\8 }
1
121
12321
1234321
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 27, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

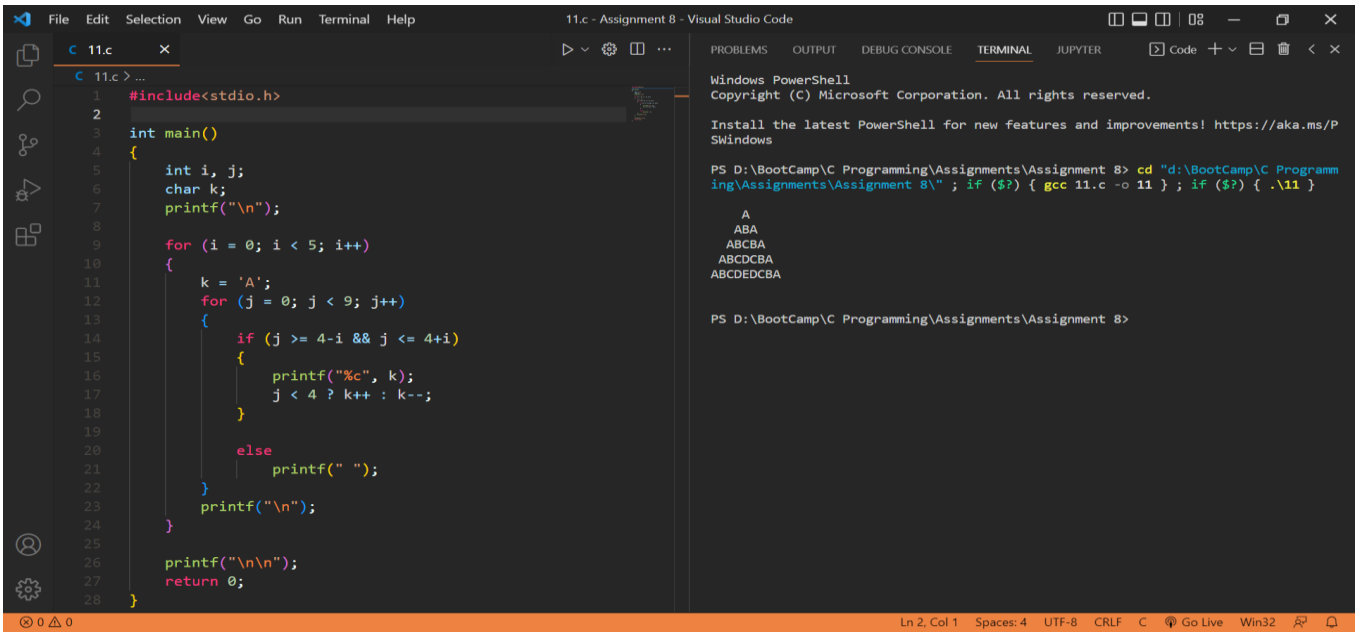
Q9.


File Edit Selection View Go Run Terminal Help
9.c - Assignment 8 - Visual Studio Code
8.c
9.c
9.c > main()
#include <stdio.h>
int main()
{
int i, j, k;
printf("\n");
for (i = 0; i < 4; i++)
{
k = 1;
for (j = 0; j < 7; j++)
{
if (j >= i && j <= 6-i)
{
printf("%d", k);
j < 3 ? k++ : k--;
}
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 9.c -o 9 } ; if ($?) { .\9 }
1234321
12321
121
1
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 27, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

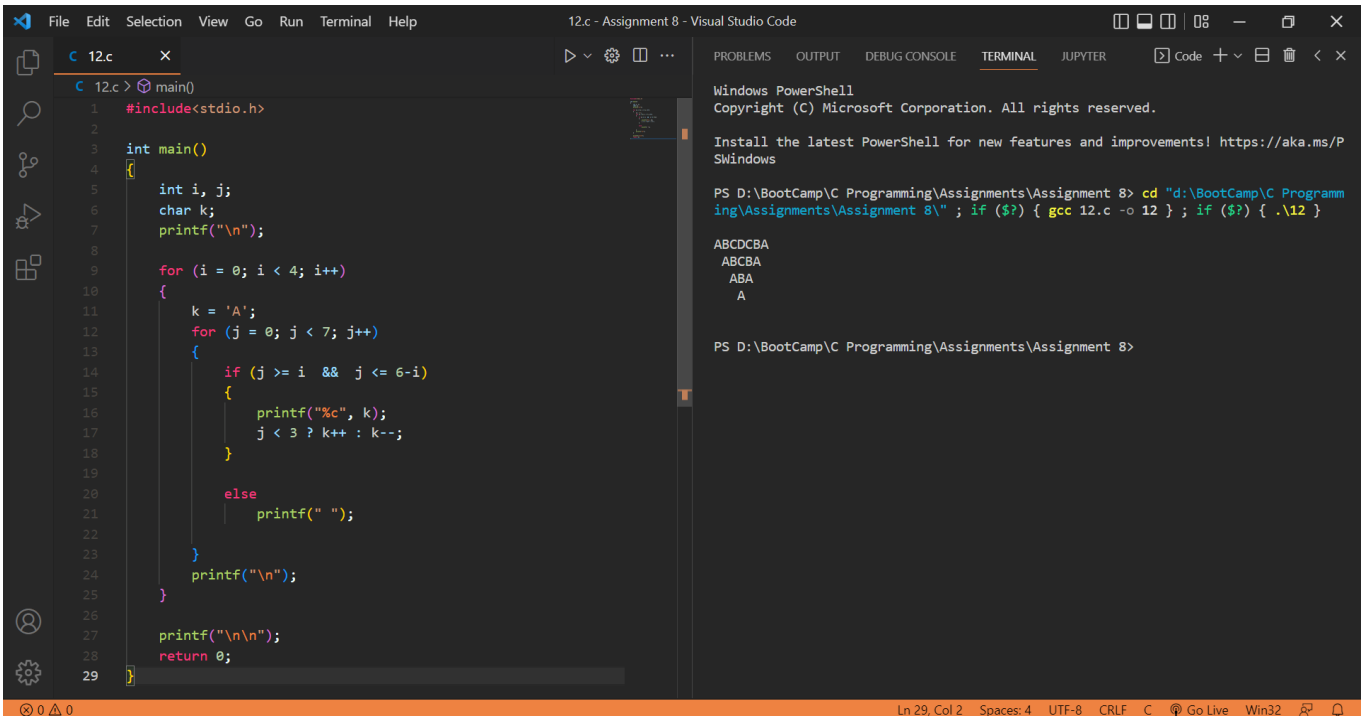
Q10.


File Edit Selection View Go Run Terminal Help
10.c - Assignment 8 - Visual Studio Code
10.c
10.c > ...
#include <stdio.h>
int main()
{
int i, j, k;
printf("\n");
for (i = 0; i < 4; i++)
{
k = 1;
for (j = 0; j <= 3-i; j++)
printf("%d", k++);
for (j = 0; j < (2*i-1); j++)
printf(" ");
if (i == 0)
k--;
while (k != 1)
printf("%d", --k);
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 10.c -o 10 } ; if ($?) { .\10 }
1234321
123 321
12 21
1 1
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 2, Col 1 Spaces: 4 UTF-8 CRLF C Go Live Win32

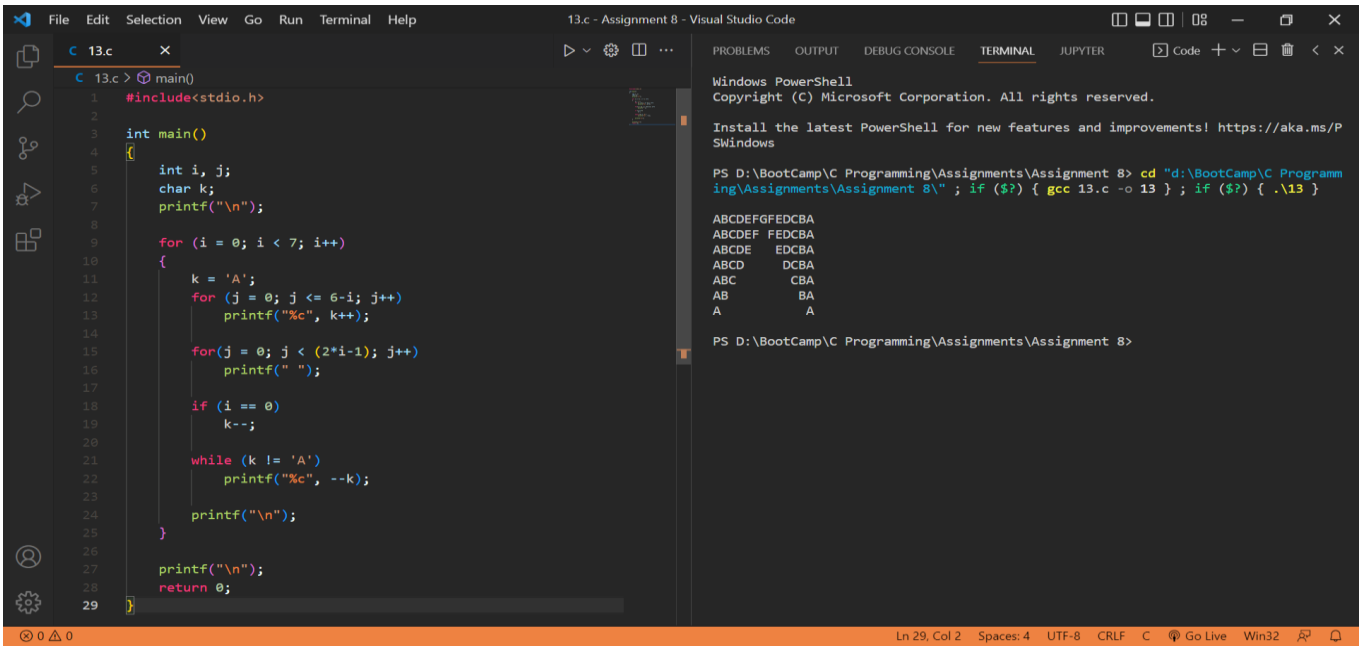
Q11.


File Edit Selection View Go Run Terminal Help
11.c - Assignment 8 - Visual Studio Code
11.c
#include<stdio.h>
int main()
{
int i, j;
char k;
printf("\n");
for (i = 0; i < 5; i++)
{
k = 'A';
for (j = 0; j < 9; j++)
{
if (j >= 4-i && j <= 4+i)
{
printf("%c", k);
j < 4 ? k++ : k--;
}
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 11.c -o 11 } ; if ($?) { .\11 }
A
ABA
ABCBA
ABCDCBA
ABCDEDCBA
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 2, Col 1 Spaces: 4 UTF-8 CRLF C Go Live Win32

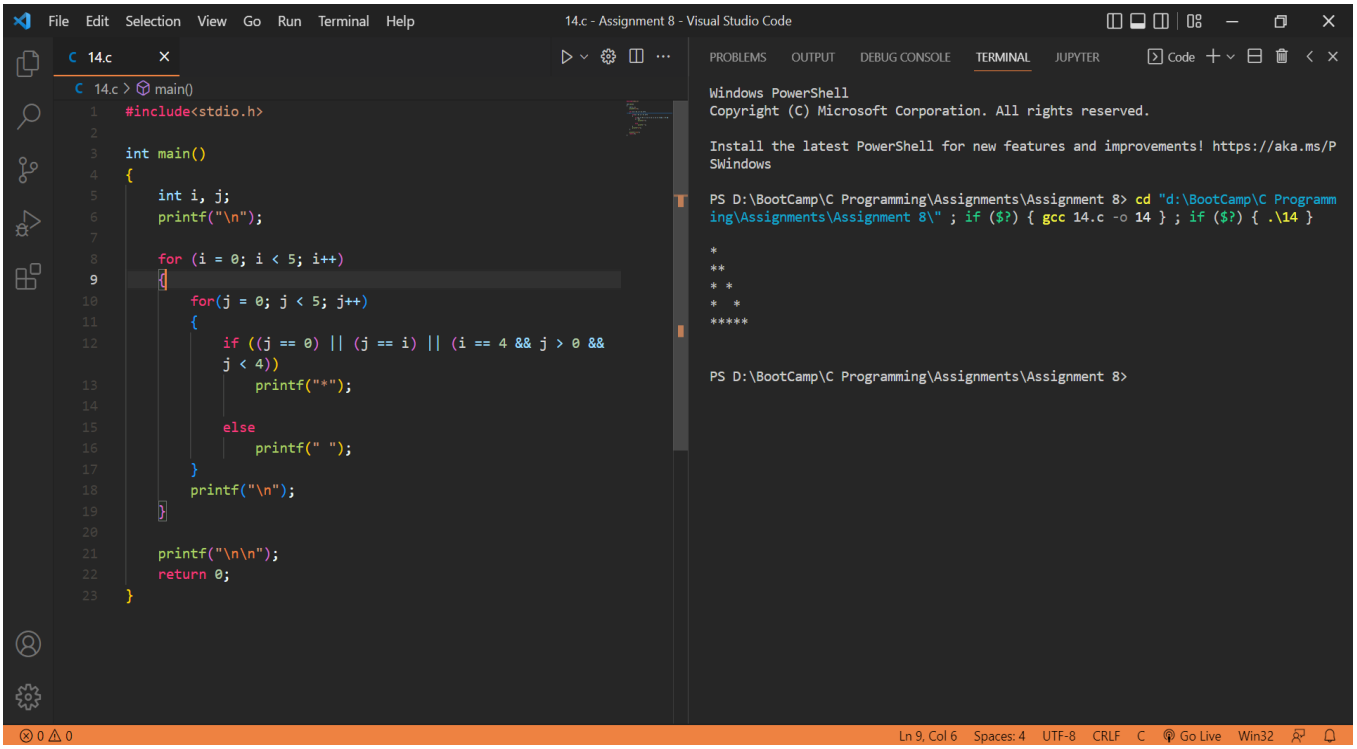
Q12.


File Edit Selection View Go Run Terminal Help
12.c - Assignment 8 - Visual Studio Code
12.c
12.c > main()
#include<stdio.h>
int main()
{
int i, j;
char k;
printf("\n");
for (i = 0; i < 4; i++)
{
k = 'A';
for (j = 0; j < 7; j++)
{
if (j >= i && j <= 6-i)
{
printf("%c", k);
j < 3 ? k++ : k--;
}
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 12.c -o 12 } ; if ($?) { .\12 }
ABCDCBA
ABCBA
ABA
A
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 29, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

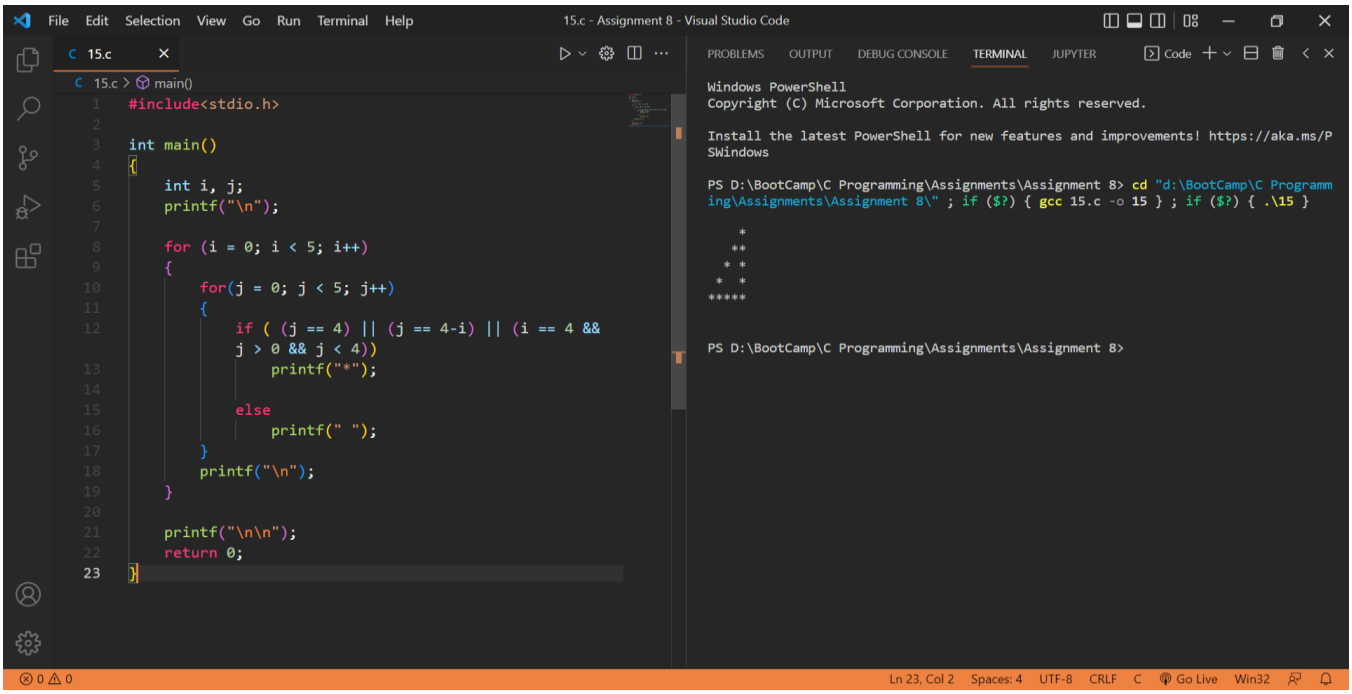
Q13.


File Edit Selection View Go Run Terminal Help
13.c - Assignment 8 - Visual Studio Code
13.c
13.c > main()
#include<stdio.h>
int main()
{
int i, j;
char k;
printf("\n");
for (i = 0; i < 7; i++)
{
k = 'A';
for (j = 0; j <= 6-i; j++)
printf("%c", k++);
for(j = 0; j < (2*i-1); j++)
printf(" ");
if (i == 0)
k--;
while (k != 'A')
printf("%c", --k);
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 13.c -o 13 } ; if ($?) { .\13 }
ABCDEFGFEDCBA
ABCDEF FEDCBA
ABCDE EDCBA
ABCD DCBA
ABC CBA
AB BA
A A
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
0 0
Ln 29, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

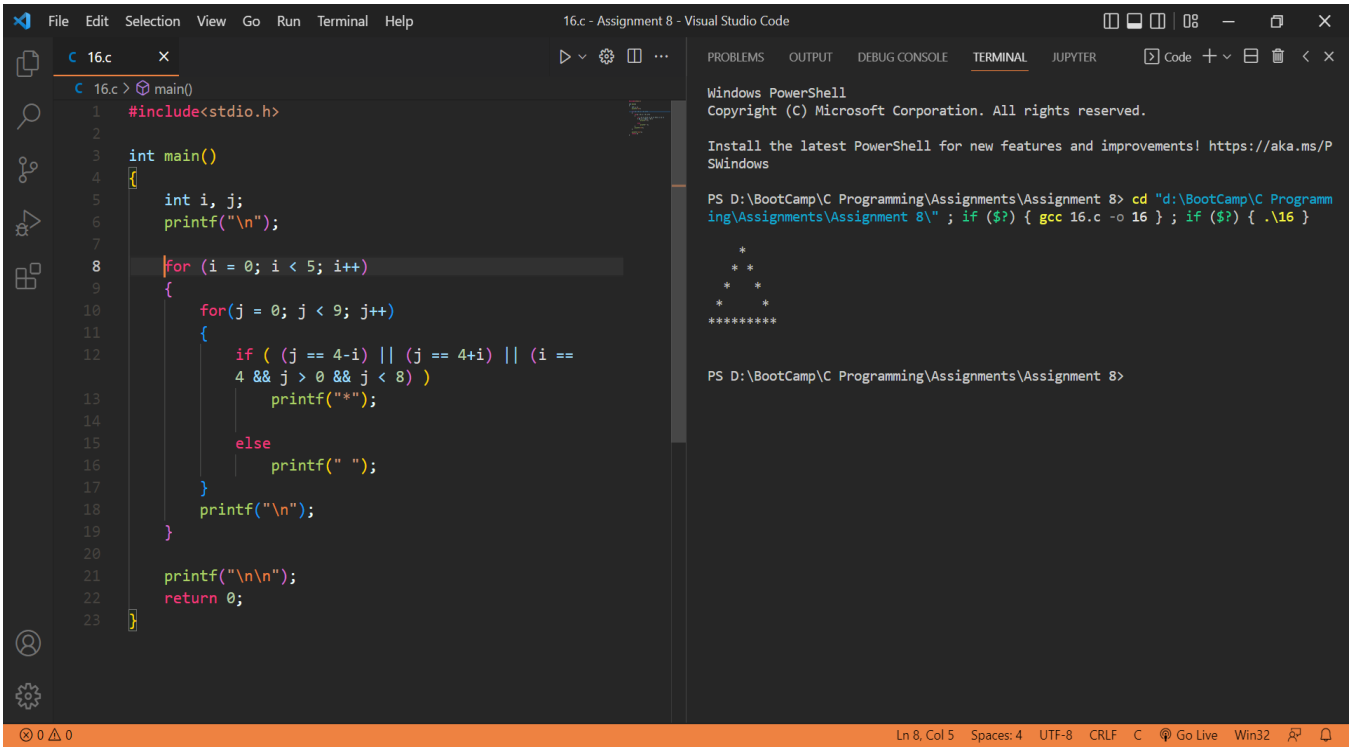
Q14.


File Edit Selection View Go Run Terminal Help
14.c - Assignment 8 - Visual Studio Code
14.c
14.c > main()
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 0; i < 5; i++)
{
for(j = 0; j < 5; j++)
{
if ((j == 0) || (j == i) || (i == 4 && j > 0 && j < 4))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 14.c -o 14 } ; if ($?) { .\14 }
*
**
* *
* *
*****
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
0 0
Ln 9, Col 6 Spaces: 4 UTF-8 CRLF C Go Live Win32

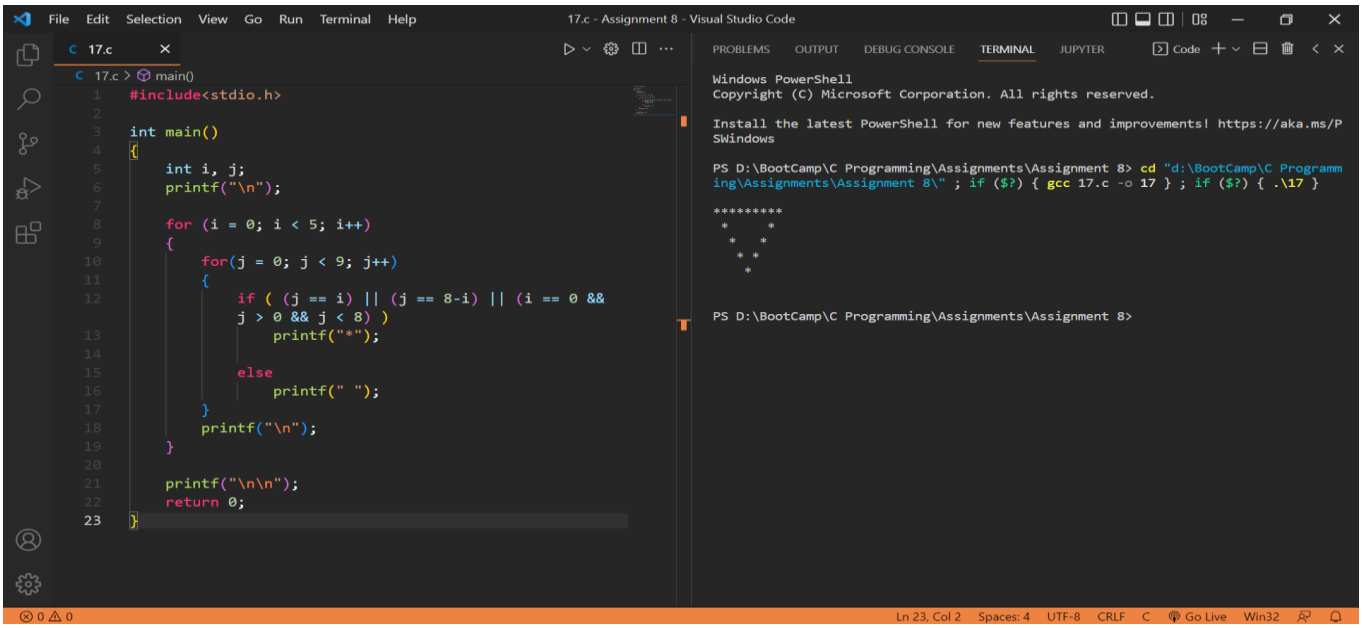
Q15.


File Edit Selection View Go Run Terminal Help
15.c - Assignment 8 - Visual Studio Code
15.c
15.c > main()
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 0; i < 5; i++)
{
for(j = 0; j < 5; j++)
{
if ((j == 4) || (j == 4-i) || (i == 4 &&
j > 0 && j < 4))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 15.c -o 15 } ; if ($?) { .\15 }
*
**
* *
* *
*****
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
0 0
Ln 23, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

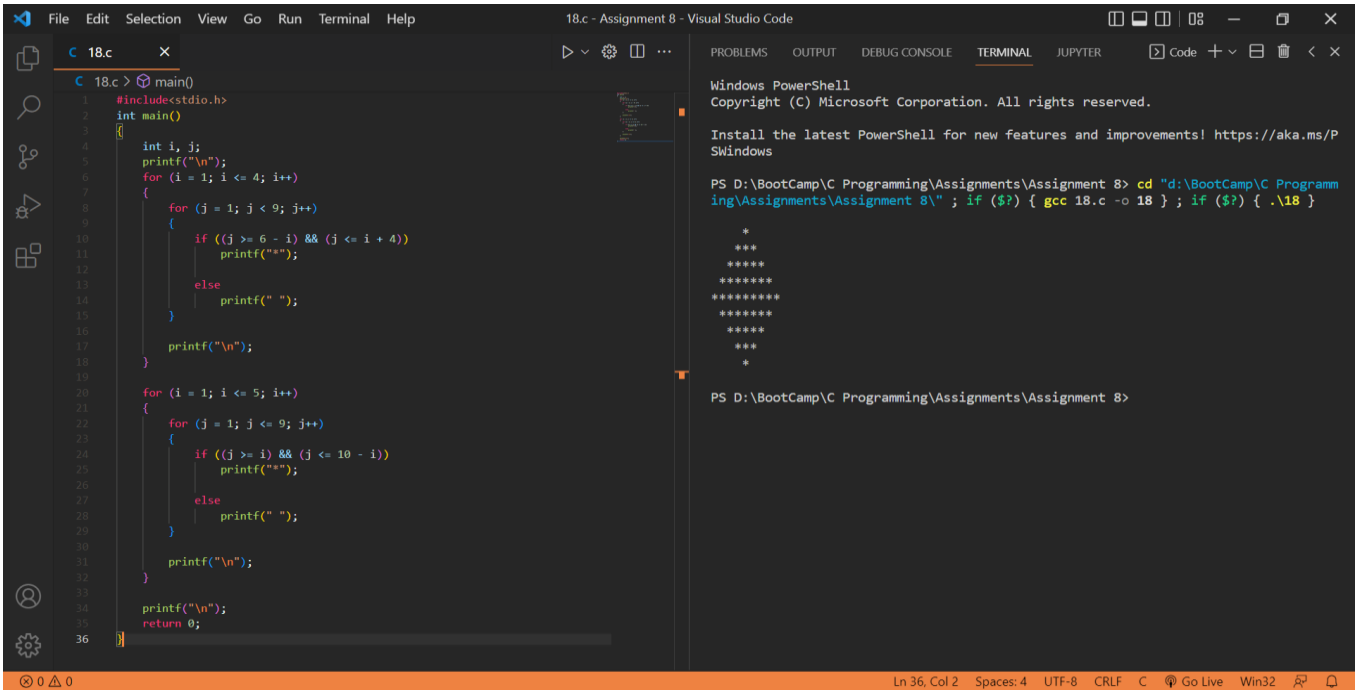
Q16.


File Edit Selection View Go Run Terminal Help
16.c - Assignment 8 - Visual Studio Code
16.c
16.c > main()
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 0; i < 5; i++)
{
for(j = 0; j < 9; j++)
{
if ((j == 4-i) || (j == 4+i) || (i ==
4 && j > 0 && j < 8))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 16.c -o 16 } ; if ($?) { .\16 }
*
* *
* *
* *
****
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
0 0
Ln 8, Col 5 Spaces: 4 UTF-8 CRLF C Go Live Win32

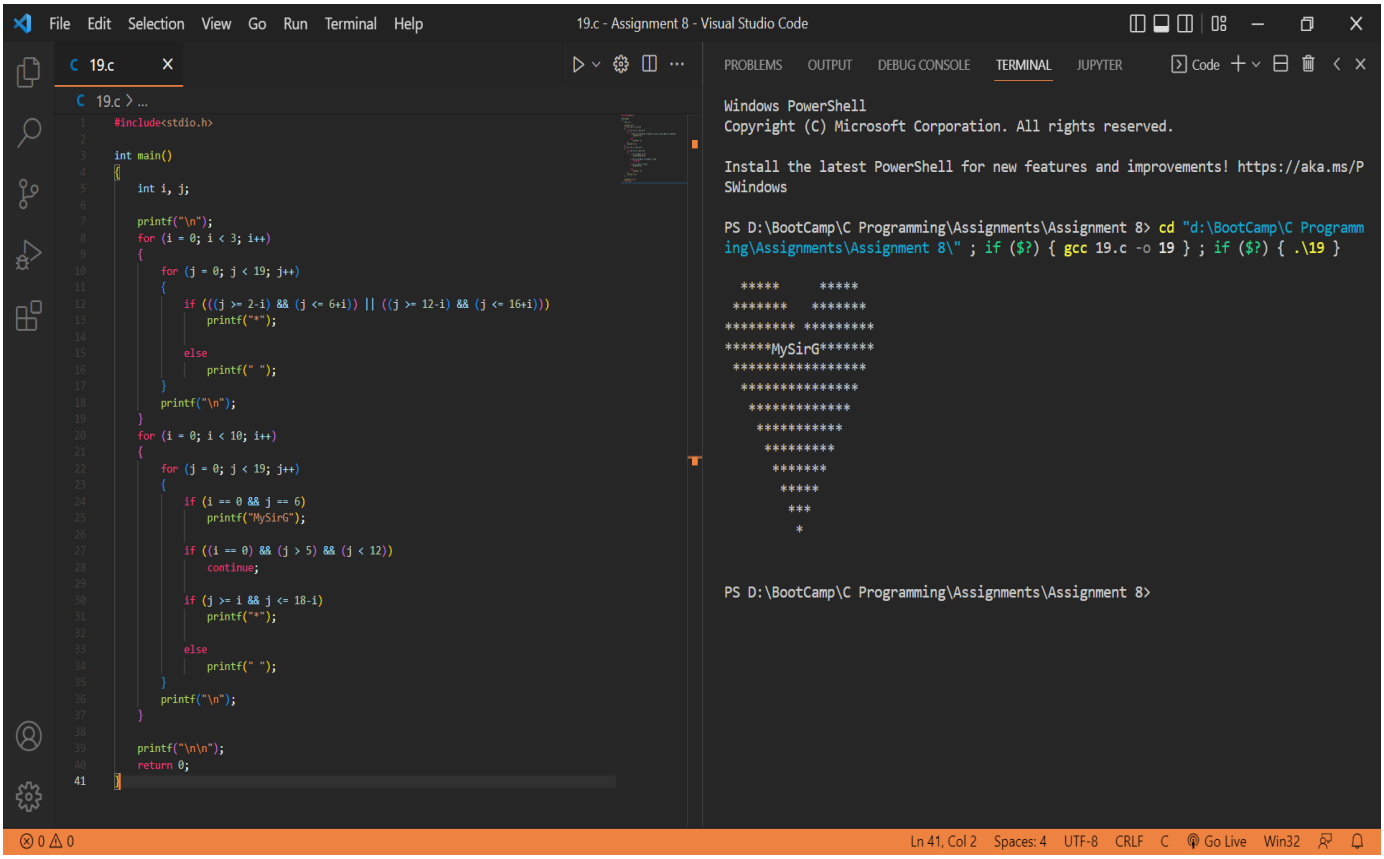
Q17.


File Edit Selection View Go Run Terminal Help
17.c - Assignment 8 - Visual Studio Code
17.c
17.c > main()
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 0; i < 5; i++)
{
for(j = 0; j < 9; j++)
{
if ((j == i) || (j == 8-i) || (i == 0 &&
j > 0 && j < 8))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 17.c -o 17 } ; if ($?) { .\17 }
****
* *
* *
* *
*
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 23, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q18.


File Edit Selection View Go Run Terminal Help
18.c - Assignment 8 - Visual Studio Code
18.c
18.c > main()
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 1; i <= 4; i++)
{
for (j = 1; j < 9; j++)
{
if ((j >= 6 - i) && (j <= i + 4))
printf("*");
else
printf(" ");
}
printf("\n");
}
for (i = 1; i <= 5; i++)
{
for (j = 1; j <= 9; j++)
{
if ((j >= i) && (j <= 10 - i))
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 18.c -o 18 } ; if ($?) { .\18 }
*
***
*****
****
****
****
*****
***
*
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 36, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32

Q19.


File Edit Selection View Go Run Terminal Help
19.c - Assignment 8 - Visual Studio Code
19.c
#include<stdio.h>
int main()
{
int i, j;
printf("\n");
for (i = 0; i < 3; i++)
{
for (j = 0; j < 19; j++)
{
if (((j >= 2-i) && (j <= 6+i)) || ((j >= 12-i) && (j <= 16+i)))
printf("*");
else
printf(" ");
}
printf("\n");
}
for (i = 0; i < 10; i++)
{
for (j = 0; j < 19; j++)
{
if (i == 0 && j == 6)
printf("MySirG");
if ((i == 0) && (j > 5) && (j < 12))
continue;
if (j >= i && j <= 18-i)
printf("*");
else
printf(" ");
}
printf("\n");
}
printf("\n\n");
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\BootCamp\C Programming\Assignments\Assignment 8> cd "d:\BootCamp\C Programming\Assignments\Assignment 8\" ; if ($?) { gcc 19.c -o 19 } ; if ($?) { .\19 }
***** *****
******* *******
********* *********
******MySirG*******
****
****
****
****
****
****
*****
***
*
PS D:\BootCamp\C Programming\Assignments\Assignment 8>
Ln 41, Col 2 Spaces: 4 UTF-8 CRLF C Go Live Win32