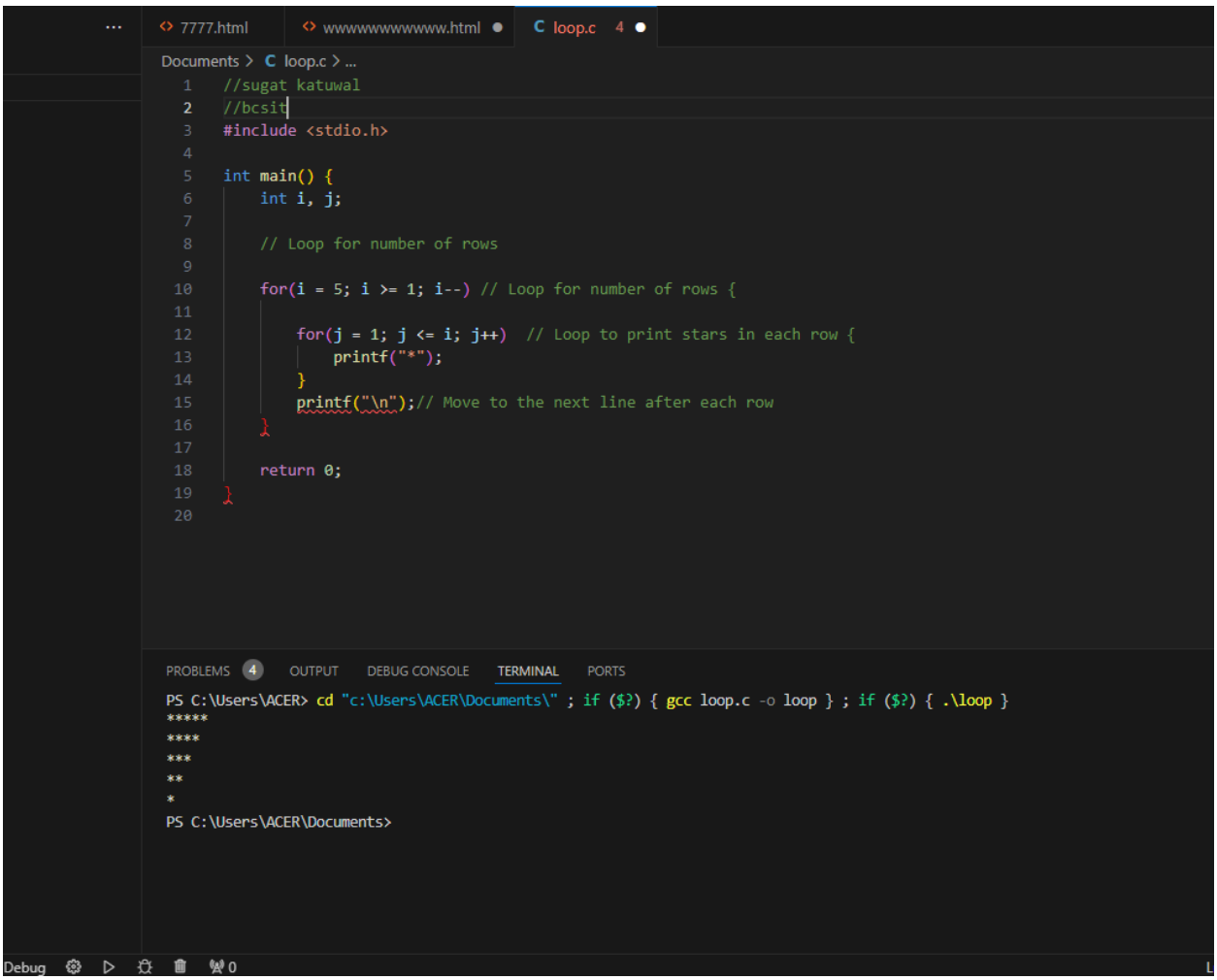
1. **Inverted Right-Aligned Star Triangle**:

```
*****
 ****
  ***
   **
    *
```

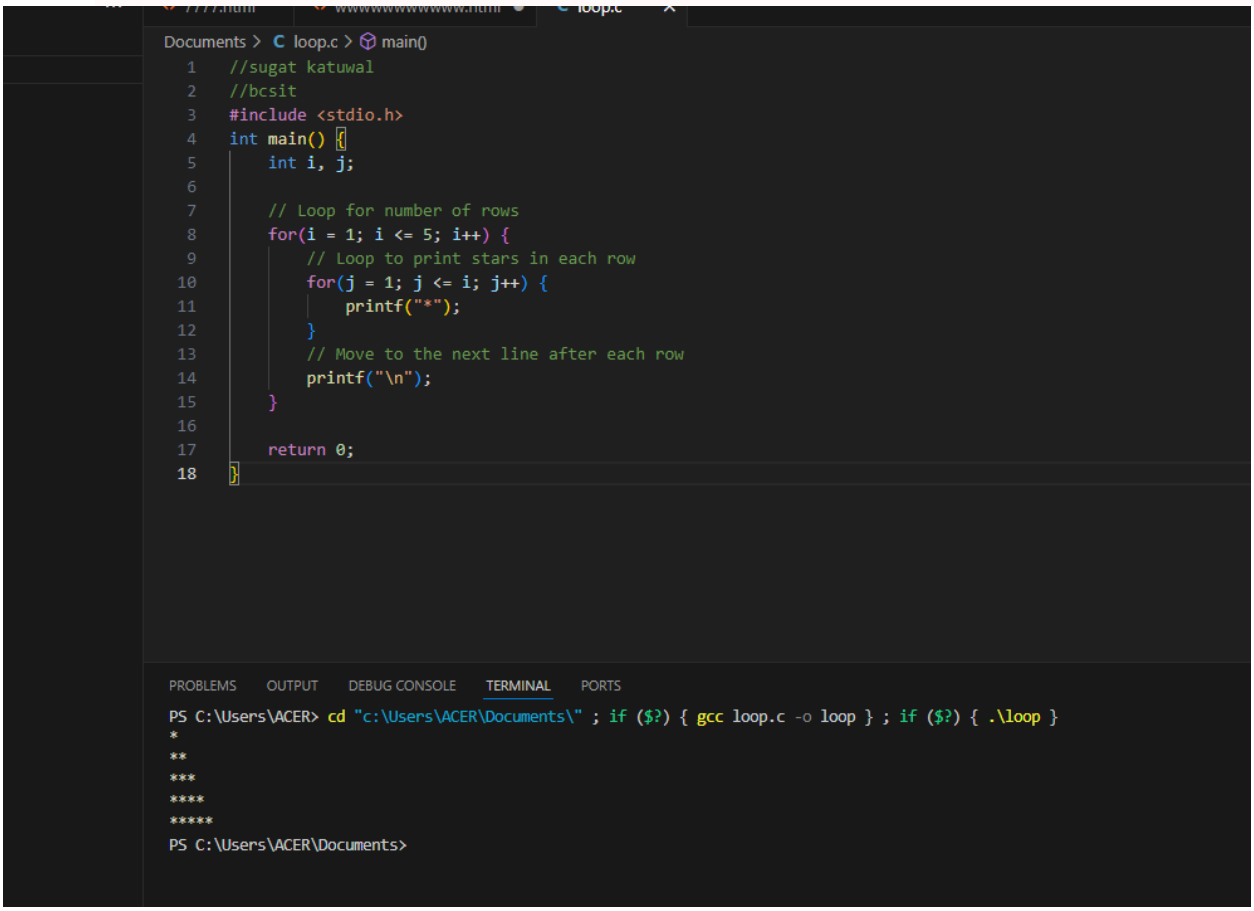
```c
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int i, j;

    // Loop for number of rows

    for(i = 5; i >= 1; i--) // Loop for number of rows {

        for(j = 1; j <= i; j++)  // Loop to print stars in each row {
            printf("*");
        }
        printf("\n");// Move to the next line after each row
    }

    return 0;
}

```



1. **Right-Aligned Star Triangle**:
2. *
3. **
4. ***
5. ****

```
6. //sugat katuwal
7. //bcsit
8. #include <stdio.h>
9. int main() {
10.     int i, j;
11.
12.     // Loop for number of rows
13.     for(i = 1; i <= 5; i++) {
14.         // Loop to print stars in each row
15.         for(j = 1; j <= i; j++) {
```

```
            printf("*");
        }
        // Move to the next line after each row
        printf("\n");
    }

    return 0;
}
```



Square of Stars:

```
*****
*****
*****
*****
*****

```

```
//sugat katuwal
//bcsit
#include <stdio.h>
int main() {
```

```
12.     int i, j;
13.
14.     // Loop for number of rows
15.     for(i = 1; i <= 5; i++) {
16.         // Loop to print stars in each row
17.         for(j = 1; j <= 5; j++) {
18.             printf("*");
19.         }
20.         // Move to the next line after each row
21.         printf("\n");
22.     }
23.
24.     return 0;
25. }
```

Documents › loop.c › main()

```c
//sugat katuwal
//bcsit
#include <stdio.h>
int main() {
    int i, j;

    // Loop for number of rows
    for(i = 1; i <= 5; i++) {
        // Loop to print stars in each row
        for(j = 1; j <= 5; j++) {
            printf("*");
        }
        // Move to the next line after each row
        printf("\n");
    }

    return 0;
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

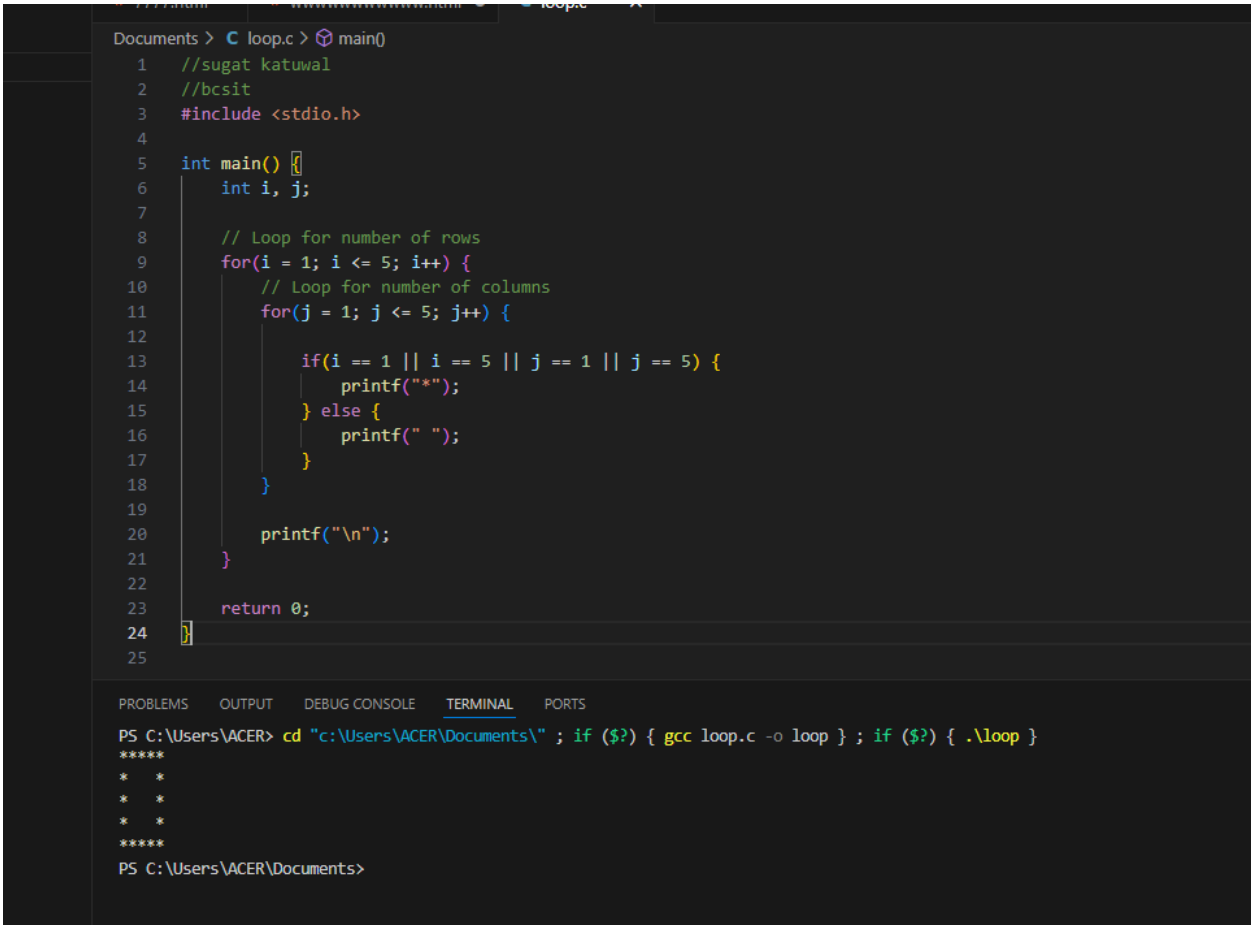
```
****
*****
PS C:\Users\ACER\Documents> cd "c:\Users\ACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
*****
PS C:\Users\ACER\Documents> cd "c:\Users\ACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
*
PS C:\Users\ACER\Documents> cd "c:\Users\ACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
*****
*****
*****
*****
*****
```

1. **Hollow Square of Stars**:

```
*****
*   *
*   *
*   *
*****
```

```
//sugat katuwal
```

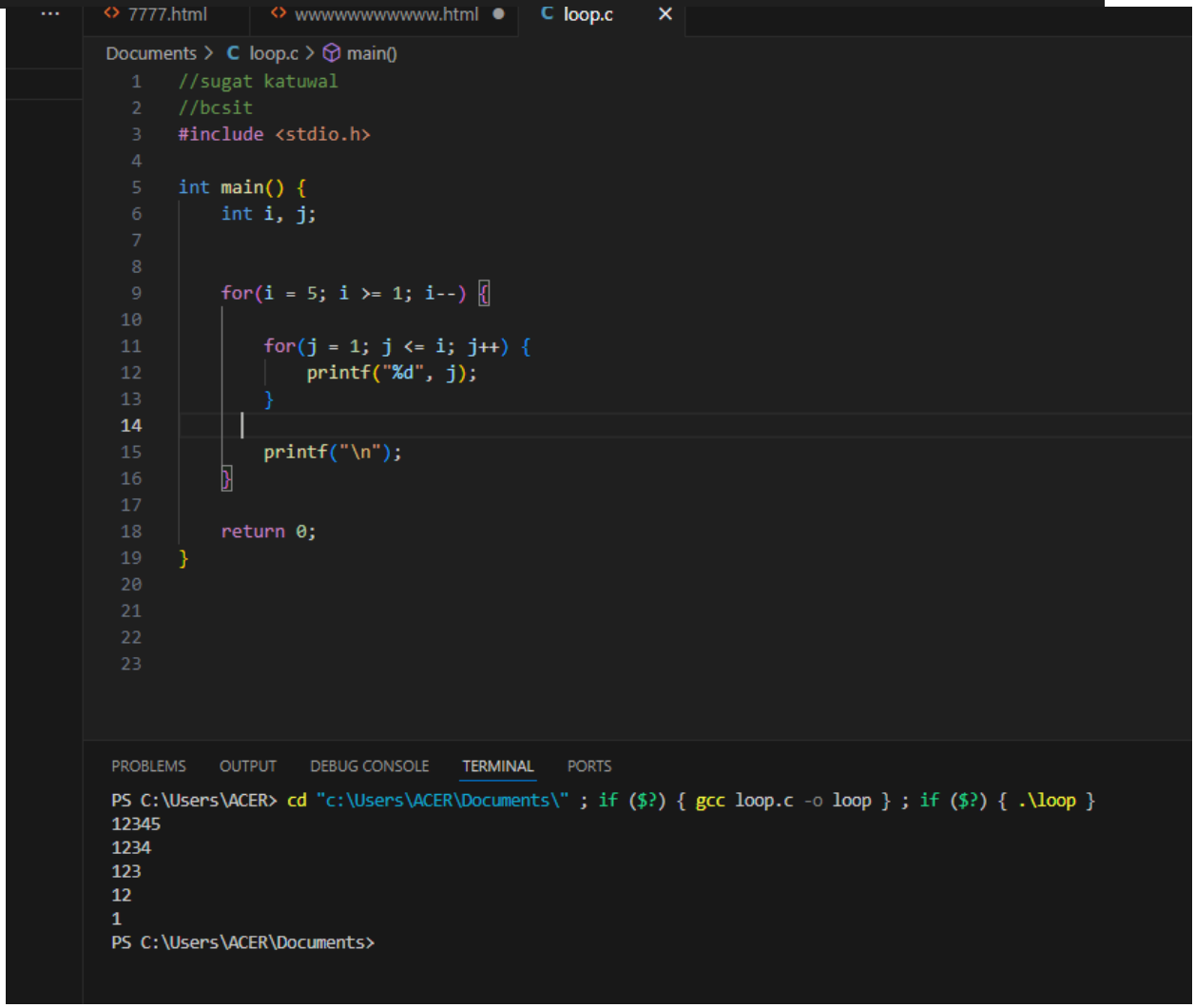
```c
//bcsit
#include <stdio.h>

int main() {
    int i, j;

    // Loop for number of rows
    for(i = 1; i <= 5; i++) {
        // Loop for number of columns
        for(j = 1; j <= 5; j++) {

            if(i == 1 || i == 5 || j == 1 || j == 5) {
                printf("*");
            } else {
                printf(" ");
            }
        }

        printf("\n");
    }

    return 0;
}
```



1. **Inverted Number Triangle:**
2. 12345
3. 1234
4. 123
5. 12
   1

```c
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int i, j;


    for(i = 5; i >= 1; i--) {

        for(j = 1; j <= i; j++) {
            printf("%d", j);
        }

        printf("\n");
```

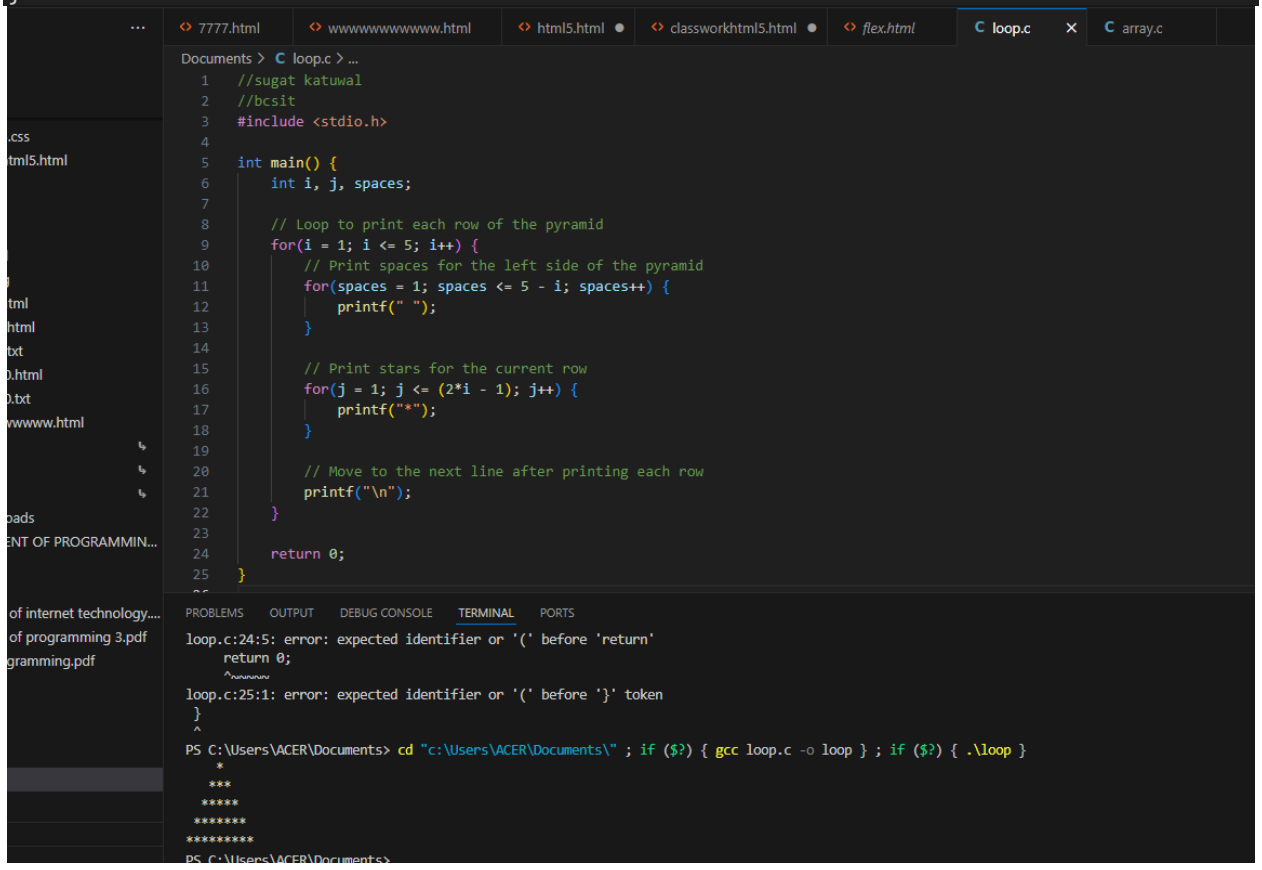
```
    }

    return 0;
}
```



1. **Centered Pyramid of Stars:**
2. *
3. ***
4. *****
5. *******
   ****

```
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int i, j, spaces;
```

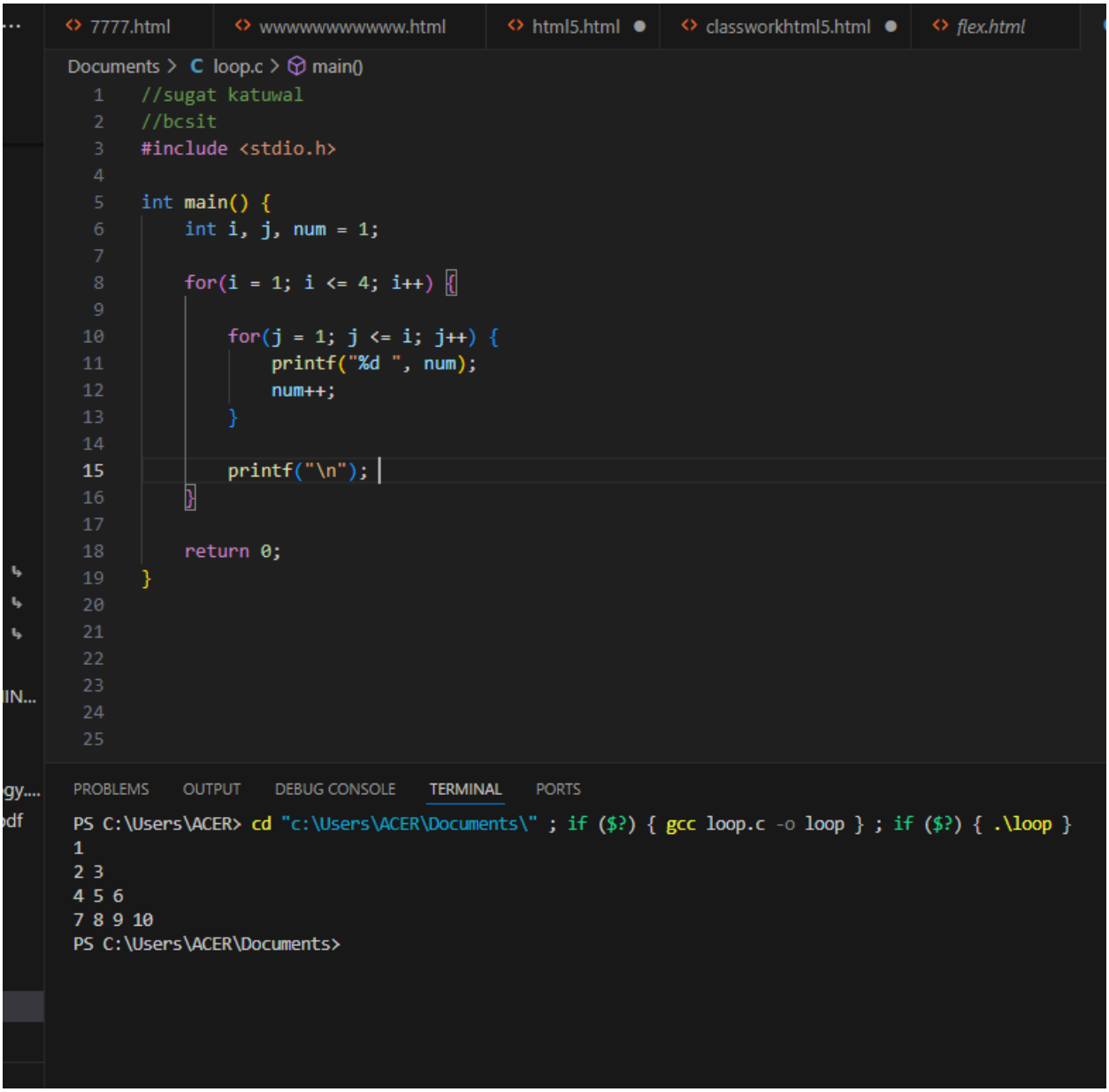
```
    // Loop to print each row of the pyramid
    for(i = 1; i <= 5; i++) {
        // Print spaces for the left side of the pyramid
        for(spaces = 1; spaces <= 5 - i; spaces++) {
            printf(" ");
        }

        // Print stars for the current row
        for(j = 1; j <= (2*i - 1); j++) {
            printf("*");
        }

        // Move to the next line after printing each row
        printf("\n");
    }

    return 0;
}
```




```
1
2 3
4 5 6
```

7 8 9 10

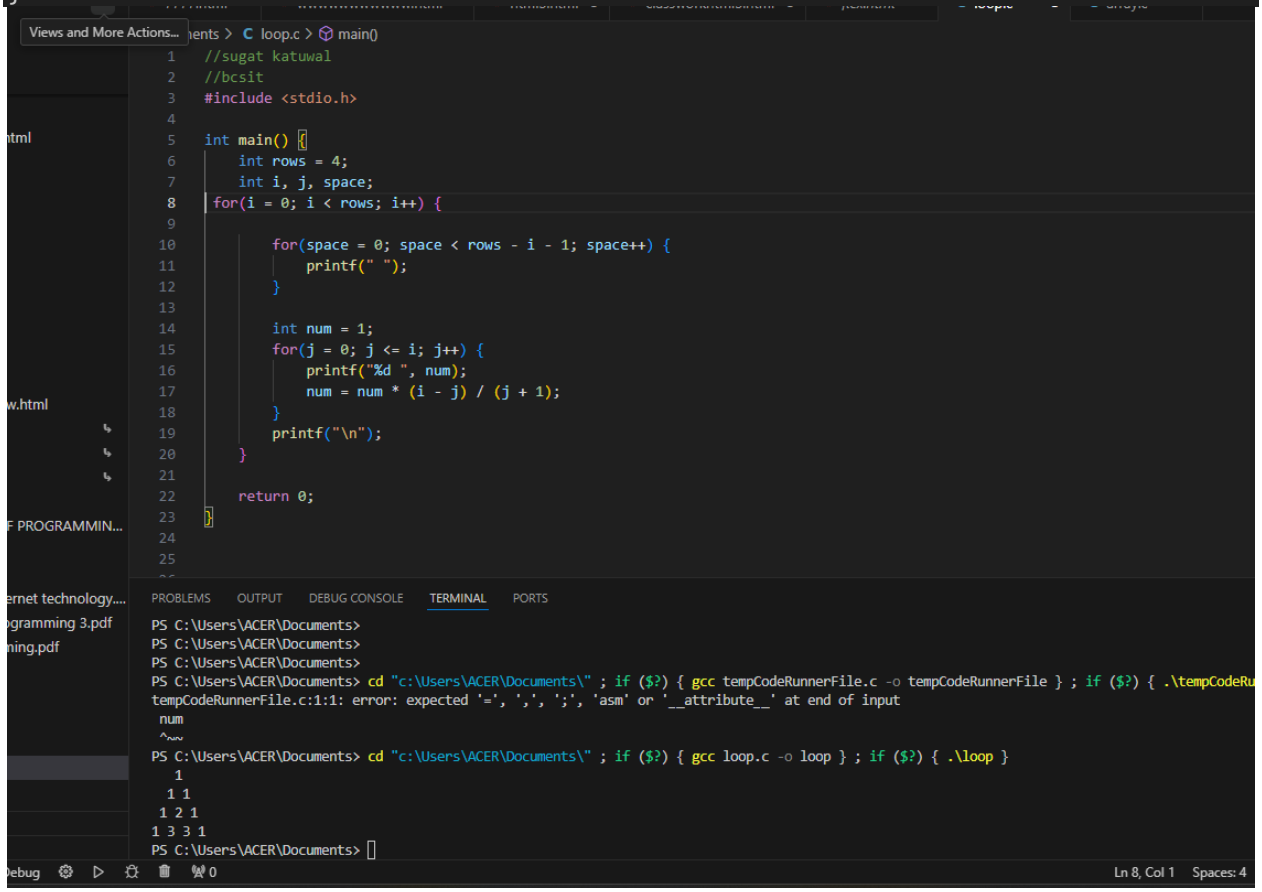
```c
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int i, j, num = 1;

    for(i = 1; i <= 4; i++) {

        for(j = 1; j <= i; j++) {
            printf("%d ", num);
            num++;
        }

        printf("\n");
    }

    return 0;
}
```



1. Print Pascal's Triangle:
2. 1
3. 1 1
4. 1 2 1
   1 3 3 1

```
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int rows = 4;
    int i, j, space;
```

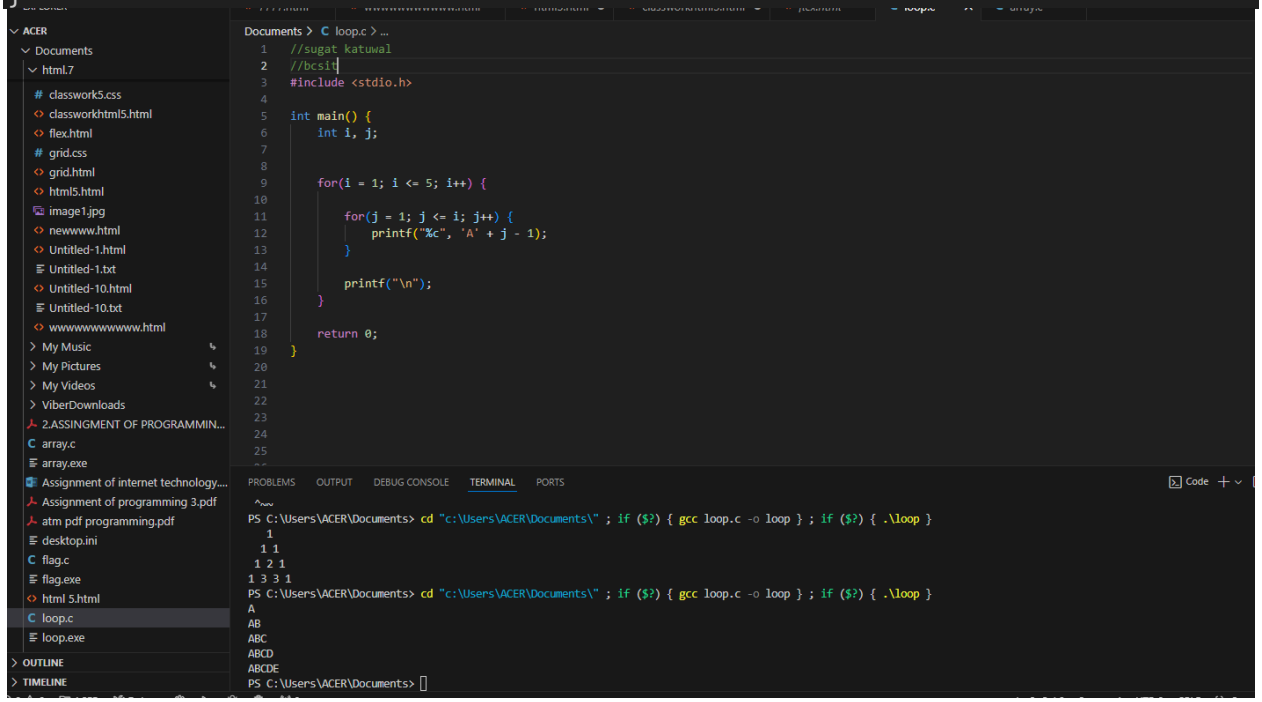
```
for(i = 0; i < rows; i++) {

        for(space = 0; space < rows - i - 1; space++) {
            printf(" ");
        }

        int num = 1;
        for(j = 0; j <= i; j++) {
            printf("%d ", num);
            num = num * (i - j) / (j + 1);
        }
        printf("\n");
    }

    return 0;
}
```



1. Print an alphabet triangle:
2. A
3. AB

4. ABC
5. ABCD
   ABCDE

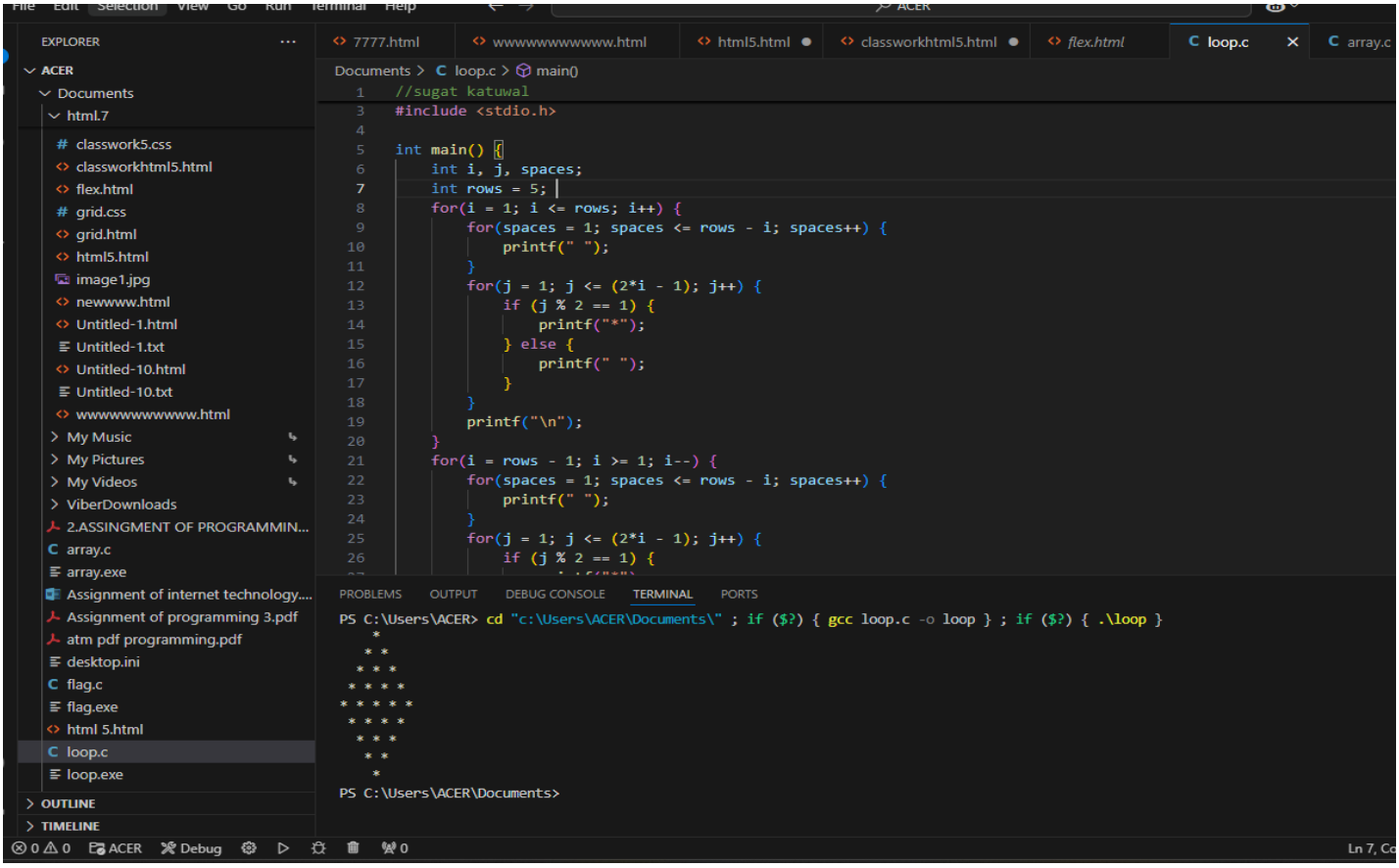
```c
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int i, j;


    for(i = 1; i <= 5; i++) {

        for(j = 1; j <= i; j++) {
            printf("%c", 'A' + j - 1);
        }

        printf("\n");
    }

    return 0;
}
```



1. *
2. * *
3. * * *
4. * * * *
5. * * * * *
6. * * * *

```
    * * *
     * *
      *
```

```c
//sugat katuwal
//bcsit
#include <stdio.h>

int main() {
    int i, j, spaces;
    int rows = 5;
    for(i = 1; i <= rows; i++) {
        for(spaces = 1; spaces <= rows - i; spaces++) {
            printf(" ");
        }
        for(j = 1; j <= (2*i - 1); j++) {
            if (j % 2 == 1) {
                printf("*");
            } else {
                printf(" ");
            }
        }
        printf("\n");
    }
    for(i = rows - 1; i >= 1; i--) {
        for(spaces = 1; spaces <= rows - i; spaces++) {
            printf(" ");
        }
        for(j = 1; j <= (2*i - 1); j++) {
            if (j % 2 == 1) {
                printf("*");
            } else {
                printf(" ");
            }
        }
        printf("\n");
    }
      return 0;
}
```


File Edit Selection View Go Run Terminal Help
ACER
EXPLORER
ACER
Documents
html.7
classwork5.css
classworkhtml5.html
flex.html
grid.css
grid.html
html5.html
image1.jpg
newwww.html
Untitled-1.html
Untitled-1.txt
Untitled-10.html
Untitled-10.txt
wwwwwwwwww.html
My Music
My Pictures
My Videos
ViberDownloads
2.ASSINGMENT OF PROGRAMMIN...
array.c
array.exe
Assignment of internet technology....
Assignment of programming 3.pdf
atm pdf programming.pdf
desktop.ini
flag.c
flag.exe
html 5.html
loop.c
loop.exe
OUTLINE
TIMELINE
7777.html
wwwwwwwwww.html
html5.html
classworkhtml5.html
flex.html
loop.c
array.c
Documents > loop.c > main()
//sugat katuwal
#include <stdio.h>
int main() {
int i, j, spaces;
int rows = 5;
for(i = 1; i <= rows; i++) {
for(spaces = 1; spaces <= rows - i; spaces++) {
printf(" ");
}
for(j = 1; j <= (2*i - 1); j++) {
if (j % 2 == 1) {
printf("*");
} else {
printf(" ");
}
}
printf("\n");
}
for(i = rows - 1; i >= 1; i--) {
for(spaces = 1; spaces <= rows - i; spaces++) {
printf(" ");
}
for(j = 1; j <= (2*i - 1); j++) {
if (j % 2 == 1) {
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\ACER> cd "c:\Users\ACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
PS C:\Users\ACER\Documents>
0 0 ACER Debug 0
Ln 7, Co