

1. Inverted Right-Aligned Star Triangle:

2. *****

3. ****

4. ***

5. **

6. *

7.

```
8. //sugat katuwal
```

```
9. //bcsit
```

```
10.#include <stdio.h>
```

```
11.
```

```
12.int main() {
```

```
13.    int i, j;
```

```
14.
```

```
15.    // Loop for number of rows
```

```
16.
```

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

```
18.
```

```
19.        for(j = 1; j <= i; j++) // Loop to print stars in each row {
```

```
20.            printf("*");
```

```
21.        }
```

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

```
23.    }
```

```
24.
```

```
25.    return 0;
```

```
26.}
```

```
27.
```

```
Documents > C loop.c > ...
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4
5 int main() {
6     int i, j;
7
8     // Loop for number of rows
9
10    for(i = 5; i >= 1; i--) // Loop for number of rows {
11
12        for(j = 1; j <= i; j++) // Loop to print stars in each row {
13            printf("*");
14        }
15        printf("\n");// Move to the next line after each row
16    }
17
18    return 0;
19 }
20
```

PROBLEMS 4 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>
```

1. Right-Aligned Star Triangle:

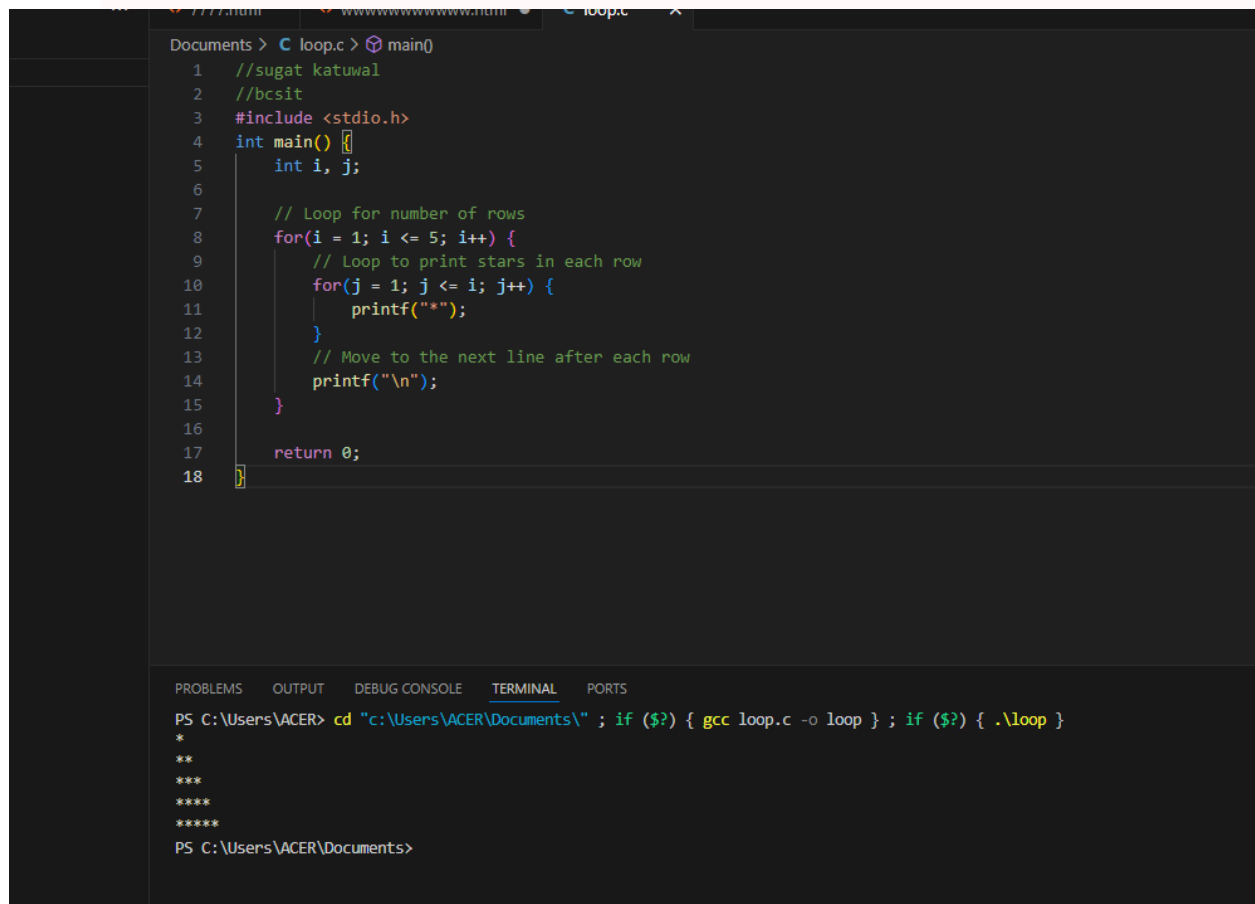
```
2.      *
3.     **
4.    ***
5.   ****
```

```
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++) {
```

```

16.         printf("*");
17.     }
18.     // Move to the next line after each row
19.     printf("\n");
20. }
21.
22. return 0;
23.}

```



```

Documents > C loop.c > main()
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4 int main() {
5     int i, j;
6
7     // Loop for number of rows
8     for(i = 1; i <= 5; i++) {
9         // Loop to print stars in each row
10        for(j = 1; j <= i; j++) {
11            printf("*");
12        }
13        // Move to the next line after each row
14        printf("\n");
15    }
16
17    return 0;
18 }

```

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>

```

1. Square of Stars:

```

2. *****
3. *****
4. *****
5. *****
6. *****
7.

```

```

8. //sugat katuwal
9. //bcsit
10.#include <stdio.h>
11.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()

```

1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4 int main() {
5     int i, j;
6
7     // Loop for number of rows
8     for(i = 1; i <= 5; i++) {
9         // Loop to print stars in each row
10        for(j = 1; j <= 5; j++) {
11            printf("*");
12        }
13        // Move to the next line after each row
14        printf("\n");
15    }
16
17    return 0;
18 }

```

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:

```

2. *****
3. *      *
4. *      *
5. *      *
   *****

```

//sugat katuwal

```
//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;
}
```

```
Documents > C loop.c > main()
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4
5 int main() {
6     int i, j;
7
8     // Loop for number of rows
9     for(i = 1; i <= 5; i++) {
10        // Loop for number of columns
11        for(j = 1; j <= 5; j++) {
12
13            if(i == 1 || i == 5 || j == 1 || j == 5) {
14                printf("*");
15            } else {
16                printf(" ");
17            }
18        }
19
20        printf("\n");
21    }
22
23    return 0;
24 }
25
```

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>
```

1. Inverted Number Triangle:

2. 12345
3. 1234
4. 123
5. 12
- 1

```
//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;
}
```

7777.html wwwwwwwww.html loop.c

Documents > loop.c > main()

```
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4
5 int main() {
6     int i, j;
7
8
9     for(i = 5; i >= 1; i--) {
10
11         for(j = 1; j <= i; j++) {
12             printf("%d", j);
13         }
14         printf("\n");
15     }
16
17     return 0;
18 }
19
20
21
22
23
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\ACER> cd "c:\Users\ACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
12345
1234
123
12
1
PS C:\Users\ACER\Documents>
```

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;
}
```

... 7777.html wwwwwwwww.html html5.html classworkhtml5.html flex.html C loop.c x C array.c

Documents > C loop.c > ...

```
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4
5 int main() {
6     int i, j, spaces;
7
8     // Loop to print each row of the pyramid
9     for(i = 1; i <= 5; i++) {
10        // Print spaces for the left side of the pyramid
11        for(spaces = 1; spaces <= 5 - i; spaces++) {
12            printf(" ");
13        }
14
15        // Print stars for the current row
16        for(j = 1; j <= (2*i - 1); j++) {
17            printf("*");
18        }
19
20        // Move to the next line after printing each row
21        printf("\n");
22    }
23
24    return 0;
25 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

loop.c:24:5: error: expected identifier or '(' before 'return'

```
return 0;
^~~~~~
```

loop.c:25:1: error: expected identifier or '(' before '}' token

```
}
^
```

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

```
*
***
*****
*****
*****
PS C:\Users\ACER\Documents>
```

1
2 3
4 5 6

7 8 9 10

```
//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;
}
```

```
... 7777.html wwwwwwwww.html html5.html classworkhtml5.html flex.html
Documents > C loop.c > main()
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4
5 int main() {
6     int i, j, num = 1;
7
8     for(i = 1; i <= 4; i++) {
9
10        for(j = 1; j <= i; j++) {
11            printf("%d ", num);
12            num++;
13        }
14
15        printf("\n");
16    }
17
18    return 0;
19 }
20
21
22
23
24
25
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\ACER> cd "c:\Users\ACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
1
2 3
4 5 6
7 8 9 10
PS C:\Users\ACER\Documents>
```

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;
}
```

Views and More Actions... > C loop.c > main()

```
1 //sugat katuwal
2 //bcsit
3 #include <stdio.h>
4
5 int main() {
6     int rows = 4;
7     int i, j, space;
8     for(i = 0; i < rows; i++) {
9
10         for(space = 0; space < rows - i - 1; space++) {
11             printf(" ");
12         }
13
14         int num = 1;
15         for(j = 0; j <= i; j++) {
16             printf("%d ", num);
17             num = num * (i - j) / (j + 1);
18         }
19         printf("\n");
20     }
21
22     return 0;
23 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\VACER\Documents>
PS C:\Users\VACER\Documents>
PS C:\Users\VACER\Documents>
PS C:\Users\VACER\Documents> cd "c:\Users\VACER\Documents\" ; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFile } ; if ($?) { .\tempCodeRu
tempCodeRunnerFile.c:1:1: error: expected '=', ',', ';', 'asm' or '__attribute__' at end of input
num
^
PS C:\Users\VACER\Documents> cd "c:\Users\VACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }
1
1 1
1 2 1
1 3 3 1
PS C:\Users\VACER\Documents>
```

Ln 8, Col 1 Spaces: 4

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

4. ABC
5. ABCD
- ABCDE

```
//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;
}
```

The screenshot shows a code editor with a file explorer on the left and a terminal at the bottom. The file explorer shows a directory structure with files like classwork5.css, flex.html, grid.html, and loop.c. The code editor displays the C program from the previous block. The terminal shows the command to compile and run the program: `PS C:\Users\VACER\Documents> cd "c:\Users\VACER\Documents\" ; if ($?) { gcc loop.c -o loop } ; if ($?) { .\loop }`. The output of the program is displayed in the terminal: `1`, `1 1`, `1 2 1`, `1 3 3 1`, and `1 4 6 4 1`.

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

```
7.    * * *
8.    * *
9.    *
```

```
//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;
}
```

