

3. WAP to generate the following set of output.

a.

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

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

```
int main () {
```

```
    int rows, num = 1;
```

```
    printf ("Enter number of rows : ");
```

```
    scanf ("%d", &rows);
```

```
    for (int i = 1; i <= rows; i++) {
```

```
        // Print leading spaces.
```



```
for (int j=1 ; j<= rows-i ; j++) {  
    printf(" ");  
}
```

// Print numbers with space

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

// Move to next line

```
printf("\n");  
}
```

return 0 ;

```
}
```

C exp3loopspyramid1.c X

C exp3loopspyramid1.c > ...

```
1
2  #include <stdio.h>
3
4  int main() {
5      int rows, num = 1;
6
7
8      printf("Enter number of rows: ");
9      scanf("%d", &rows);
10
11     for (int i = 1; i <= rows; i++) {
12         // Print leading spaces
13         for (int j = 1; j <= rows - i; j++) {
14             printf(" ");
15         }
16
17         // Print numbers with space
18         for (int k = 1; k <= i; k++) {
19             printf("%d ", num);
20             num++;
21         }
22
23         // Move to next line
24         printf("\n");
25     }
26
27     return 0;
28 }
29
```

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

PORTS

^

```
PS C:\Users\abiga\OneDrive\Desktop\Absproj> cd "c:\Users\abiga\OneDrive\Desktop\Absproj\"  
d1.c -o exp3loopspyramid1 } ; if ($?) { .\exp3loopspyramid1 }
```

```
Enter number of rows: 3
```

```
1
```

```
2 3
```

```
4 5 6
```

```
PS C:\Users\abiga\OneDrive\Desktop\Absproj> █
```