

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 ; it++) {
```

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

```
for (int j=1 ; j<=rows-i ; j++) {  
    printf(" ");  
}  
((x-i) * (x-i+1)) / 2
```

// 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 }
```

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>
```