



10

```

1  /*
2  Write a program to print the following pattern:
3  1
4  1  2
5  1  2  3
6  1  2  3  4
7  1  2  3  4  5
8  */
9
10 #include <stdio.h>
11 int main()
12 {
13     for (int i = 1; i <= 5; i++)
14     {
15         for (int j = 1; j <= i; j++)
16         {
17             printf("%d\t", j);
18         }
19         printf("\n");
20     }
21     return 0;
22 }

```

```

manish@fedora: ~/Documents/BCA/2nd Sem/C/College_Assignment/assignment15
$ ./question2
1
1  2
1  2  3
1  2  3  4
1  2  3  4  5

```

```

1  /*
2  Write a program to print the following pattern:
3  1
4  2   2
5  3   3   3
6  4   4   4   4
7  5   5   5   5   5
8  */
9
10 #include <stdio.h>
11 int main()
12 {
13     for (int i = 1; i <= 5; i++)
14     {
15         for (int j = 1; j <= i; j++)
16         {
17             printf("%d\t", i);
18         }
19         printf("\n");
20     }
21     return 0;
22 }

```

```

manish@fedora: ~/Documents/BCA/2nd Sem/C/College_Assignment/assignment15
$ ./question3
1
2   2
3   3   3
4   4   4   4
5   5   5   5   5

```

```
1 // WAP to swap to numbers
2 #include <stdio.h>
3 int main()
4 {
5     int num1, num2, num3;
6     printf("Enter number 1: ");
7     scanf("%d", &num1);
8     printf("Enter number 2: ");
9     scanf("%d", &num2);
10    printf("\nBefore Swapping:");
11    printf("\nThe value of num1 is %d and num2 is %d\n", num1, num2);
12    num3 = num1;
13    num1 = num2;
14    num2 = num3;
15    printf("\nAfter Swapping:");
16    printf("\nThe value of num1 is %d and num2 is %d", num1, num2);
17    return 0;
18 }
```

PROBLEMS OUTPUT TERMINAL PORTS COMMENTS DEBUG CONSOLE

```
manish@fedora: ~/Documents/BCA/2nd Sem/C/College_Assignment/assignment15
$ ./question4
Enter number 1: 45
Enter number 2: 67

Before Swapping:
The value of num1 is 45 and num2 is 67

After Swapping:
The value of num1 is 67 and num2 is 45%
```