

1. Write a program to input a number and print the number using while loop until the number is 0.

Sample input:

19  
17  
16  
35  
0

Sample Output:

19  
17  
16  
35

2. Write a program to check if a number entered by the user is prime or not using a while loop and break statement.

Sample Input:

Enter a number: 5

Sample Output:

Yes! Prime.

3. Print this pattern using for loop and break/continue statement.

1 2 5 7 10 11 13 14 17 19 22 ....., 100

4. Print this pattern using for loop.

Sample Input:

Enter row number: 5

Sample Output:

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

5. Print this pattern using for loop.

Sample Input:

Enter row number: 5

Sample Output:

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

6. Print this pattern using for loop and break/continue statement

Sample Input:

Enter a number: 4

Sample Output:

A

A B

A B C

A B C D

7. Print this pattern using for loop and break/continue statement

Sample Input:

Enter a number: 4

Sample Output:

1

2 3

4 5 6

7 8 9 10

8. Print the pattern using for loop.

Sample Input:

Enter row number: 4

Sample Output:

\*

\* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

9. Print this pattern using for loop and break/continue statement

Sample Input:

Enter a number: 4

Sample Output:

```
1
0 1
1 0 1
0 1 0 1
```

10. Print the pattern using for loop.

```
1
2 3 2
3 4 5 4 3
4 5 6 7 6 5 4
5 6 7 8 9 8 7 6 5
```

11. Print the pattern using for loop.

Sample Input:

Enter row number: 5

Sample Output:

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

* * *	* * *
* *	* *
*	*
* *	* *
* * *	* * *
* * * *	* * * *
* * * * * *	* * * * *