Sample For Loop

/* print all 2 digit even numbers
 * with a comma in between the numbers
 * range 10 – 98, increase by 2 every step
 */

for (int v = 10; v < 98; v += 2 )
{
    cout << v << ",";
}

cout << 98 << endl;
Sample Code

/* Asks user for a positive number x
 * No need to validate the input
 * Print a vertical line of x *’s
 */
int main()
{
    int x;
    cout << "Enter a positive number: " << endl;
    cin >> x;
    for (int c = 1; c <= x; c++) {
        cout << "*" << endl;
    }
}
Sample Code $2^n$

/* Asks user for a positive number n  
* No need to validate the input  
* Compute and Print $2^n$  
*/

int n, answer = 1 ;
cout << "Enter a positive number: " << endl;
cin >> n;
for (int c = 1; c <= n; c++) {
    answer *= 2;
}
cout << "$2^n$" << n << " = " << answer << endl;
Sample Code(value or count)

/* Print all 3 digit even number 
* that’s not a multiple of 7 
* print from largest number to smallest 
*/
for (int v = 998; v >= 100; v -= 2) {
    if (v % 7 != 0) cout << v << " ";
}
cout << endl;

/* Print first 100 even numbers 
* print 5 numbers a line 
*/
for (int c = 1; c <= 100; c++) {
    int v = 2 * c;
    cout << v << " ";
    if (c % 5 == 0) cout << endl;
}
Print a Rectangle of *

/* print a 5 X 10 of * like following
************
************
************
************
************
*************/

for (int r = 1; r <= 5; r++) {
    for (int c = 1; c <= 10; c++) {
        cout << "*";
    }
    cout << endl;
}