3. Write a program that asks the user to enter a positive integer and

prints all the factors of that number using a while loop.

#include <iostream>

using namespace std;

int main()

{

int number;

cout << "Enter a positive integer: ";

cin >> number;

if (number <= 0)

{

cout << "Please enter a positive integer." << endl;

}

cout << "Factors of " << number << " : ";

int divisor = 1;

while (divisor <= number)

{

if (number % divisor == 0)

{

cout << divisor << " ";

}

divisor++;

}

cout << endl;

return 0;

}

