



The image shows a screenshot of the Visual Studio Code editor. At the top, there is a toolbar with icons for running, saving, undo, redo, search, and a file explorer icon. To the right of the toolbar, the text "class System.AccessViolationException" is visible. The main area of the editor contains a C# code file. The code defines a namespace "HelloWold" and a static class "Program" with a "Main" method. The "Main" method prompts the user to enter two numbers, n1 and n2, and then finds all perfect numbers between n1 and n2. A perfect number is a number that is equal to the sum of its proper divisors. The code uses a loop to iterate through numbers from n1 to n2, and for each number, it calculates the sum of its divisors. If the sum is equal to the number, it is a perfect number and is printed to the console.

```
1 using System;
2 using System.Linq;
3 using System.Collections.Generic;
4
5 namespace HelloWold
6 {
7     public static class Program
8     {
9         public static void Main()
10        {
11            int n1, n2, i, Number, sum;
12            Console.Write("Enter First of range: ");
13            n1 = int.Parse(Console.ReadLine());
14            Console.WriteLine();
15            Console.Write("Enter Second of range : ");
16            n2 = int.Parse(Console.ReadLine());
17            Console.WriteLine();
18            Console.WriteLine("The Perfect numbers between {0} and {1} are : ", n1, n2);
19
20            for (Number = n1; Number <= n2; Number++)
21            {
22                sum = 0;
23                for (i = 1; i < Number; i++)
24                {
25                    if (Number % i == 0)
26                        sum = sum + i;
27                }
28                if (sum == Number)
29                    Console.WriteLine(Number);
30            }
```