```
1  using Microsoft.VisualBasic;
2  using System;
3  using System.ComponentModel;
4  using System.ComponentModel.Design;
5  using System.Data;
6  using System.Diagnostics.CodeAnalysis;
7  using System.Diagnostics.Contracts;
8  using System.Formats.Asn1;
9  using System.Globalization;
10 using System.Runtime.CompilerServices;
11 using System.Runtime.Intrinsics.X86;
12
13 namespace var;
14 // the code made by :
15 //1-ziad ezzeldin
16 //2-mohamed hesham
17 //3-magdy
18
19 class program
20 {
21
22
23     static void Main(string[] args)
24     {
25
26
27         bool isperfectnumber(int number)
28         {
29             int sum = 0;
30             for (int i = 1; i < number; i++)
31             {
32                 if (number % i == 0)
33                 sum += i;
34             }
35             if (sum == number) return true;//perfect number
36             return false;//nonperfect number
37         }
38
39         Console.WriteLine("welcome");
40
41         Console.WriteLine("please enter the start of range :");
42         int x = int.Parse(Console.ReadLine());//input from user
43         Console.WriteLine("please enter the end of range :");
44         int y = int.Parse(Console.ReadLine());
45
46         Console.WriteLine("\n");//to do new line
47         for (int i = x; i <= y; i++)
48         {
49             if (i == 0) continue;
```

```
50              if (isperfectnumber(i))  Console.WriteLine("{0} is perfect",
                  i);//output
51          }
52          Console.ReadKey();
53      }
54
55  }
56
57
58
59
60
61
62
63
64
65
66
67
68
69
```