```
 1  namespace Mid_sem_test
 2  {
 3      public class Program
 4      {
 5          static void Main(string[] args)
 6          {
 7              int[] A = new int[10] { 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 };
 8              int[] B = new int[4] { A[6], A[4], A[7], A[3] };
 9
10              FileSystem my_file_system = new FileSystem();
11
12
13              for(int i=0; i < B[0]; i++)
14              {
15                  if(i<10)
16                  {
17                      my_file_system.Add(new File("104776473-0" + $"{i}",
                         ".txt", 473));
18                  }
19                  else
20                  {
21                      my_file_system.Add(new File("104776473-" + $"{i}",
                         ".txt", 473));
22                  }
23
24              }
25
26              Folder my_folder_1 = new Folder("Folder have files part c");
27              for(int i=0; i < B[1]; i++)
28              {
29                  if (i < 10)
30                  {
31                      my_folder_1.Add(new File("104776473-0" + $"{i}",
                         ".txt", 473));
32                  }
33                  else
34                  {
35                      my_folder_1.Add(new File("104776473-" + $"{i}", ".txt",
                         473));
36                  }
37              }
38              my_file_system.Add(my_folder_1);
39
40              Folder my_folder_2 = new Folder("Folder have folder contains
                  files");
41              Folder my_folder_3 = new Folder("Folder have files part d");
42              for (int i = 0; i < B[2]; i++)
43              {
44                  if (i < 10)
```

```csharp
45                  {
46                      my_folder_3.Add(new File("104776473-0" + $"{i}",          ↵
                            ".txt", 473));
47                  }
48                  else
49                  {
50                      my_folder_3.Add(new File("104776473-" + $"{i}", ".txt",   ↵
                            473));
51                  }
52              }
53          my_folder_2.Add(my_folder_3);
54          my_file_system.Add(my_folder_2);
55
56          for (int i = 0; i < B[3]; i++)
57          {
58              my_file_system.Add(new Folder("Empty folder"));
59          }
60
61          my_file_system.PrintContents();
62      }
63    }
64 }
65
```