# Practice – ICMP summery ASYNC

Create an application that receives a list of host names, number of pings , ping interval.

Ping each host, for a number of pings in a ping interval ,

Create a report that is ordered from the fastest responding host to the slowest, a total running time in milliseconds , total round trip time in milliseconds

For example:

תמונה שמכילה טקסט, צילום מסך, צג

התיאור נוצר באופן אוטומטי

Use the report above that is created synchronously (using GetHostsReplies method ) to create reports that is created asynchronous using (1 report for each:

1. Thread class [Thread Class (System.Threading) | Microsoft Docs](https://docs.microsoft.com/en-us/dotnet/api/system.threading.thread?view=net-6.0)
2. ThreadPool class [ThreadPool Class (System.Threading) | Microsoft Docs](https://docs.microsoft.com/en-us/dotnet/api/system.threading.threadpool?view=net-6.0)
3. Task class [Task Class (System.Threading.Tasks) | Microsoft Docs](https://docs.microsoft.com/en-us/dotnet/api/system.threading.tasks.task?view=net-6.0)
4. Parallel class using methods:

a. For.

b. ForEach

c. Invoke

[Parallel Class (System.Threading.Tasks) | Microsoft Docs](https://docs.microsoft.com/en-us/dotnet/api/system.threading.tasks.parallel?view=net-6.0)