

## Assignment Details -

- BatteryParameter.cs

Class includes the definition of battery parameters (Temperature & StateOfCharge)

- BatteryDataGenerator.cs

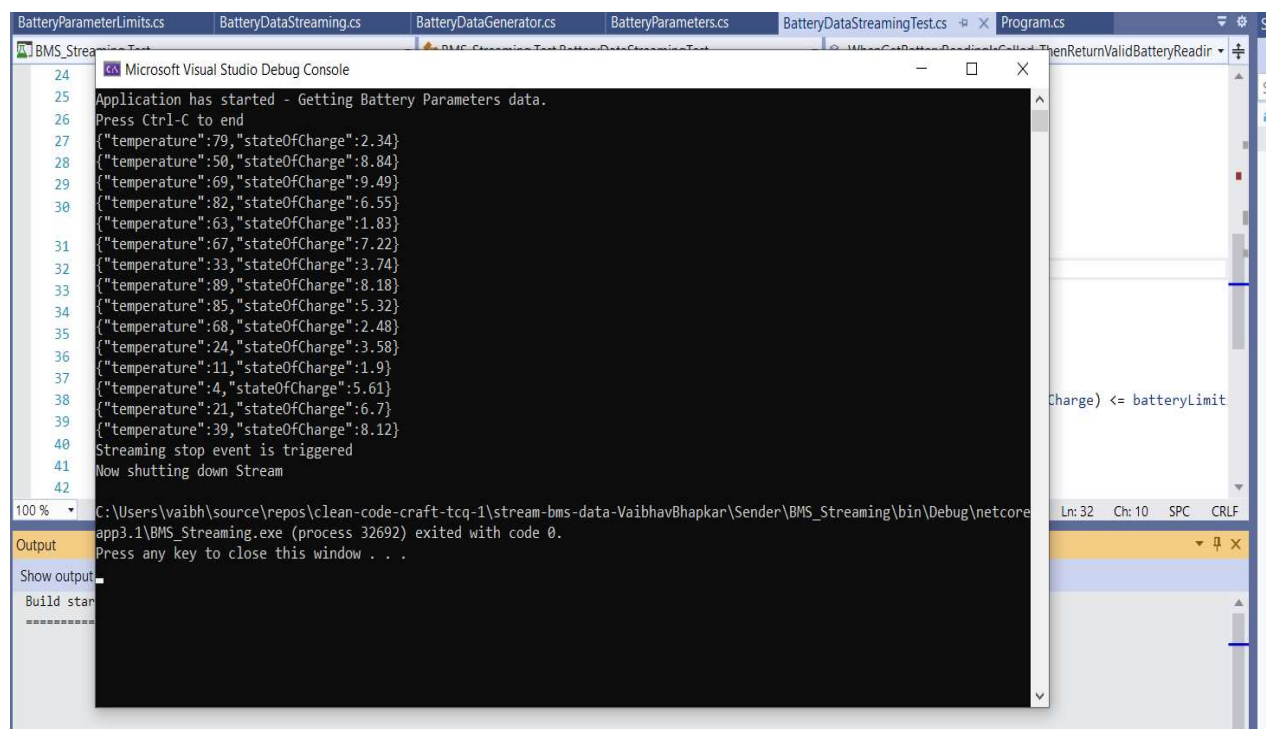
This class helps to generate random values within the limit set Parameter limit class.

- BatteryDataStreaming.cs

This class helps to return JSON string of battery parameter features.

- Program.cs

Here added streaming logic where it will return JSON stream of battery data continuously till user stops using ctrl-c



```
24
25 Application has started - Getting Battery Parameters data.
26 Press Ctrl-C to end
27 {"temperature":79,"stateOfCharge":2.34}
28 {"temperature":50,"stateOfCharge":8.84}
29 {"temperature":69,"stateOfCharge":9.49}
30 {"temperature":82,"stateOfCharge":6.55}
31 {"temperature":63,"stateOfCharge":1.83}
32 {"temperature":67,"stateOfCharge":7.22}
33 {"temperature":33,"stateOfCharge":3.74}
34 {"temperature":89,"stateOfCharge":8.18}
35 {"temperature":85,"stateOfCharge":5.32}
36 {"temperature":68,"stateOfCharge":2.48}
37 {"temperature":24,"stateOfCharge":3.58}
38 {"temperature":11,"stateOfCharge":1.9}
39 {"temperature":4,"stateOfCharge":5.61}
40 {"temperature":21,"stateOfCharge":6.7}
41 {"temperature":39,"stateOfCharge":8.12}
42 Streaming stop event is triggered
    Now shutting down Stream
100 % C:\Users\vaibh\source\repos\clean-code-craft-tcq-1\stream-bms-data-VaibhavBhapkar\Sender\BMS_Streaming\bin\Debug\netcore
Output app3.1\BMS_Streaming.exe (process 32692) exited with code 0.
Press any key to close this window . . .
```