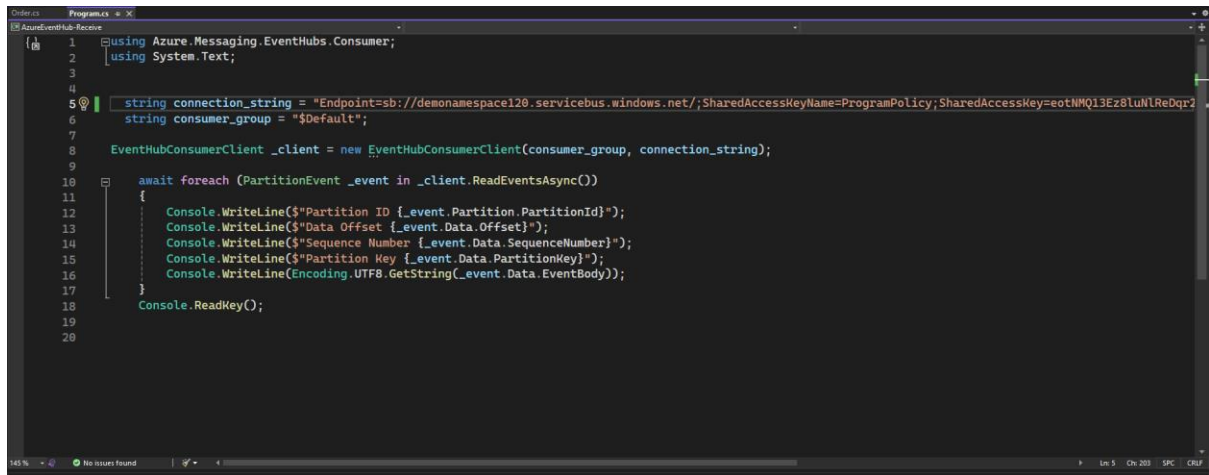# 😊 Receiving Events

1. In the last lab, we used a .NET program to send the events to the event hub but this time we'll use another .NET program to receive the events.
2. Again, you can have the program from GitHub in zipped file format then unzip it and open the program in Visual Studio 2022.
3. This is the program below, here again, you need to change the connection string.
4. You can use the same connection string you used to send events.

```csharp
using Azure.Messaging.EventHubs.Consumer;
using System.Text;

string connection_string = "Endpoint=sb://demonamespace120.servicebus.windows.net/;SharedAccessKeyName=ProgramPolicy;SharedAccessKey=eotNMQ13Ez8LuNlReDqr2
string consumer_group = "$Default";

EventHubConsumerClient _client = new EventHubConsumerClient(consumer_group, connection_string);

await foreach (PartitionEvent _event in _client.ReadEventsAsync())
{
    Console.WriteLine($"Partition ID {_event.Partition.PartitionId}");
    Console.WriteLine($"Data Offset {_event.Data.Offset}");
    Console.WriteLine($"Sequence Number {_event.Data.SequenceNumber}");
    Console.WriteLine($"Partition Key {_event.Data.PartitionKey}");
    Console.WriteLine(Encoding.UTF8.GetString(_event.Data.EventBody));
}
Console.ReadKey();
```

5. Once you have changed the connection string then you need to save the program and run it.
6. Now after running the program we can have the data.

```
C:\Users\PULKIT\Downloads\  ✕    +   ⌄

Partition ID 1
Data Offset 0
Sequence Number 0
Partition Key
{"OrderID":"O1","Quantity":10,"UnitPrice":9.99,"DiscountCategory":"Tier 1"}
Partition ID 1
Data Offset 128
Sequence Number 1
Partition Key
{"OrderID":"O2","Quantity":15,"UnitPrice":10.99,"DiscountCategory":"Tier 2"}
Partition ID 1
Data Offset 256
Sequence Number 2
Partition Key
{"OrderID":"O3","Quantity":20,"UnitPrice":11.99,"DiscountCategory":"Tier 3"}
Partition ID 1
Data Offset 384
Sequence Number 3
Partition Key
{"OrderID":"O4","Quantity":25,"UnitPrice":12.99,"DiscountCategory":"Tier 1"}
Partition ID 1
Data Offset 512
Sequence Number 4
Partition Key
{"OrderID":"O5","Quantity":30,"UnitPrice":13.99,"DiscountCategory":"Tier 2"}
```

7. Now do not destroy your resources just yet.