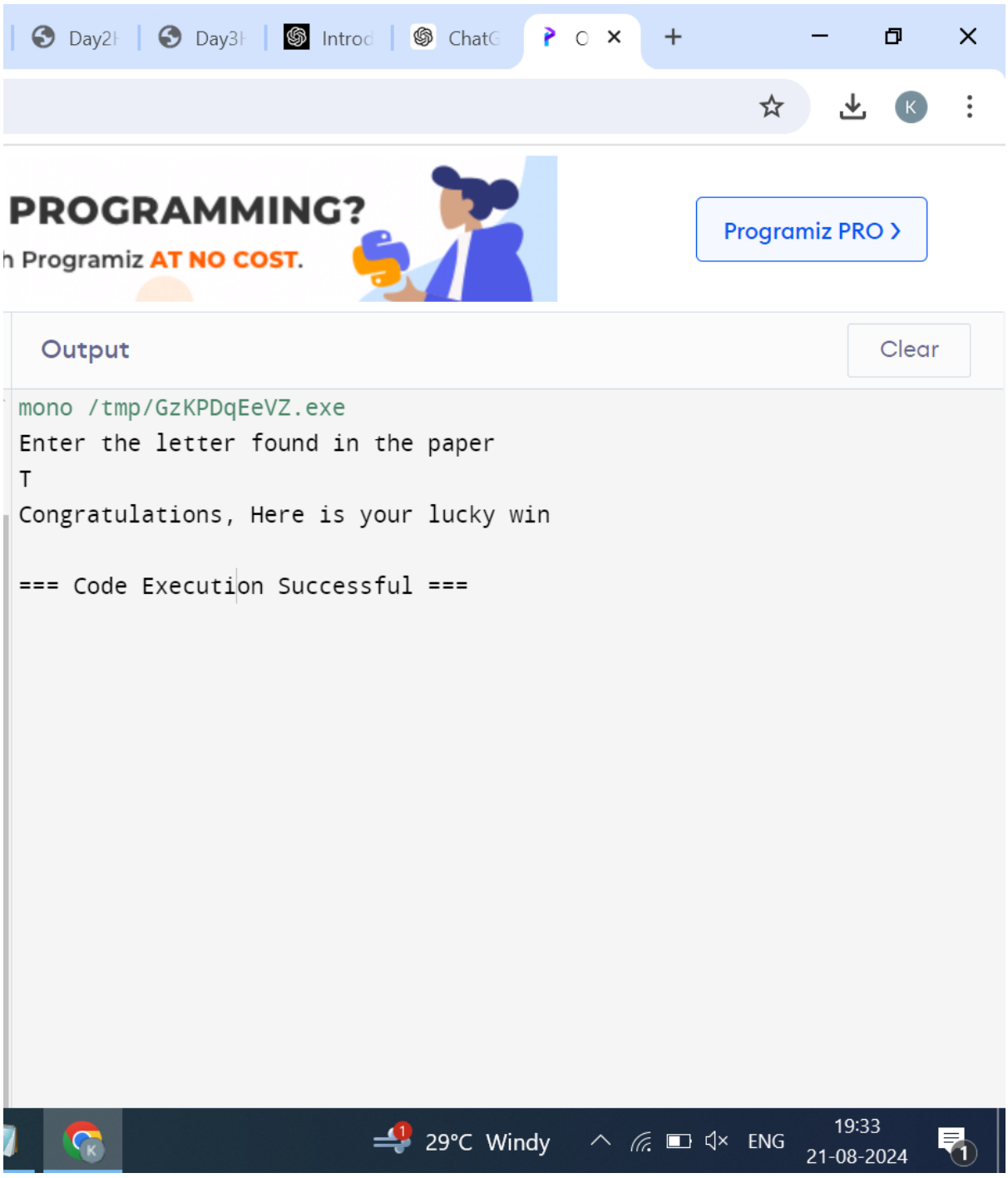
Code1.

```
using System;


class Program
{
   static void Main(string[] args)
   {
      Console.WriteLine("Enter the letter found in the paper");
      char letter = Console.ReadLine()[0];


      switch (letter)
      {
         case 'T':
            Console.WriteLine("Congratulations, Here is your
lucky win");
            break;
         case 'P':
            Console.WriteLine("Have a thrilling experience flying
in air");
            break;
         default:
            Console.WriteLine("Invalid letter");
```

```
            break;
        }
    }
}
```

Output:-



Output

Clear

```
mono /tmp/CYa2IRtaSz.exe
Enter the letter found in the paper
P
Have a thrilling experience flying in air

=== Code Execution Successful ===
```

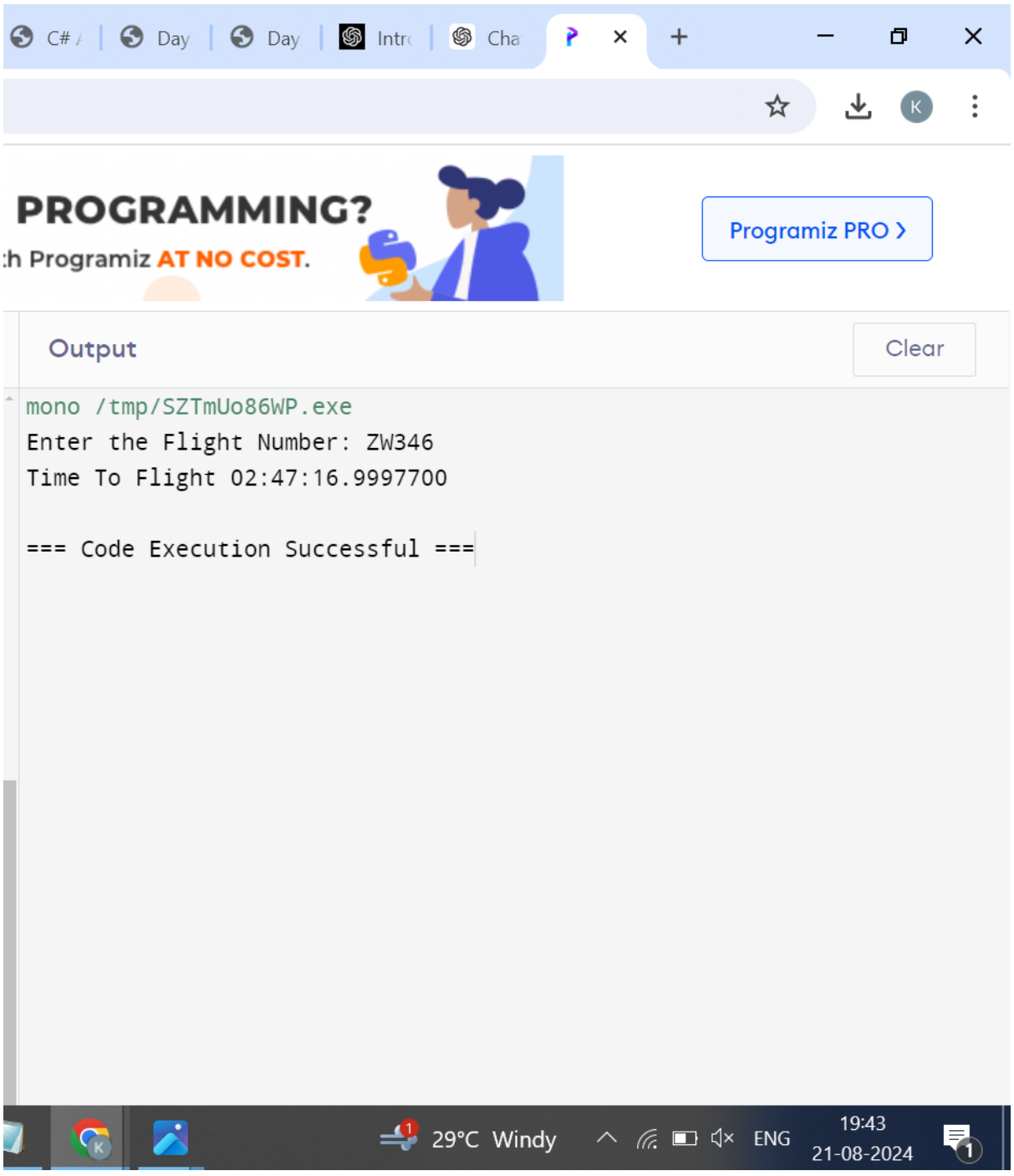
2. CODE

```
using System;

class Program
{
    static void Main(string[] args)
    {
        Console.Write("Enter the Flight Number: ");
        string flightNumber = Console.ReadLine();

        // Assuming you have a way to get flight departure time
        DateTime departureTime =
GetFlightDepartureTime(flightNumber);

        if (departureTime < DateTime.Now)
        {
            Console.WriteLine("Flight Already Left");
        }
        else
        {
```

```
            TimeSpan timeToFlight = departureTime -
DateTime.Now;
            Console.WriteLine($"Time To Flight {timeToFlight}");
        }
    }


    static DateTime GetFlightDepartureTime(string
flightNumber)
    {
        // Implement logic to fetch flight departure time based
on flight number
        // You might need to access a database or external API
        // For demonstration, let's assume a hardcoded value
        if (flightNumber == "ZW346")
        {
            return
DateTime.Now.AddHours(2).AddMinutes(47).AddSeconds(17
);
        }
        else
        {
            return DateTime.Now.AddMinutes(-30); // Flight
already left
```

```
        }
    }
}
```

OUTPUT:-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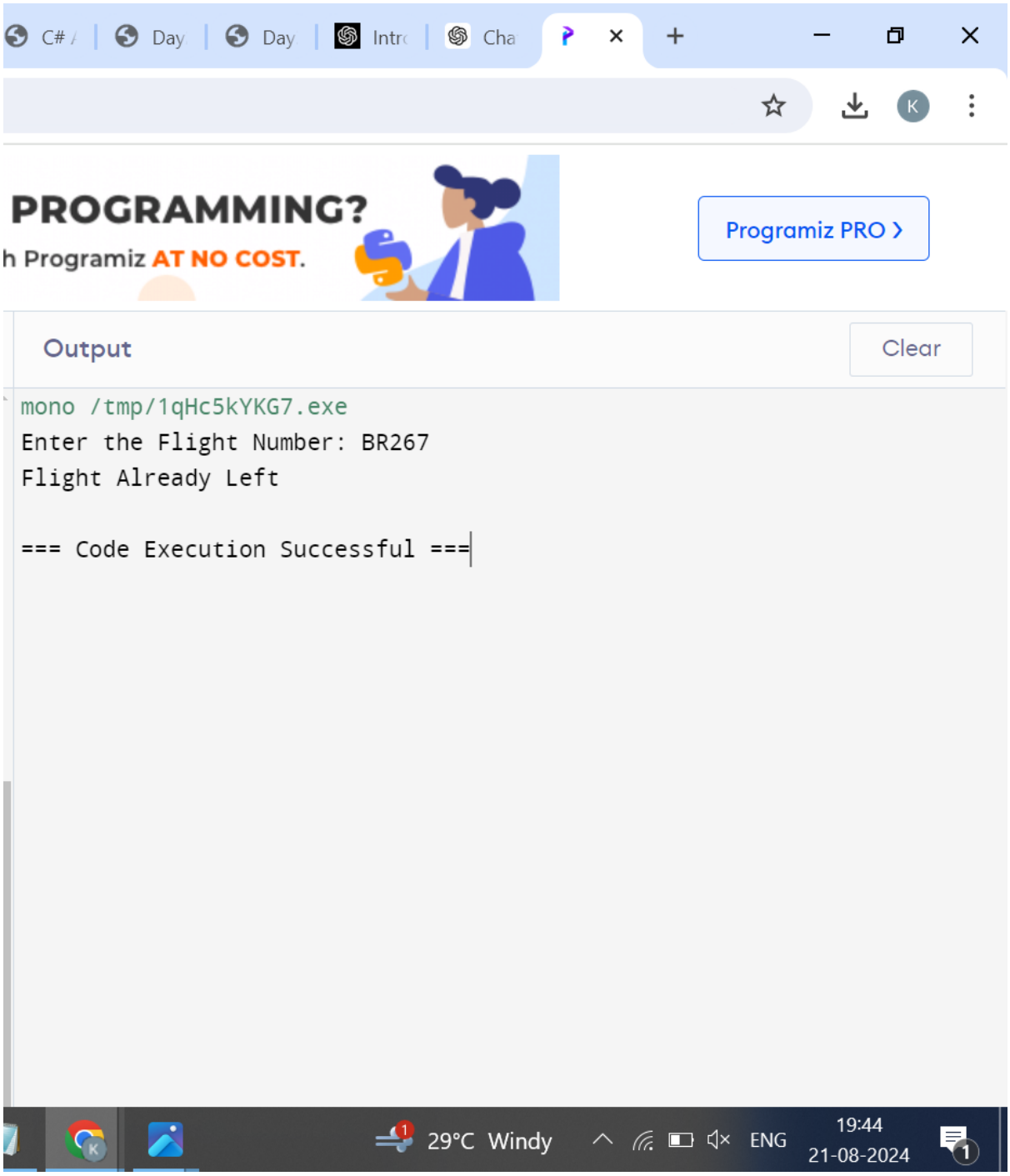
h Programiz AT NO COST.
Programiz PRO ›
Output
Clear
mono /tmp/SZTmUo86WP.exe
Enter the Flight Number: ZW346
Time To Flight 02:47:16.9997700
=== Code Execution Successful ===
29°C Windy
ENG
19:43
21-08-2024


C# /
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PROGRAMMING?
h Programiz AT NO COST.
Programiz PRO ›
Output
Clear
mono /tmp/1qHc5kYKG7.exe
Enter the Flight Number: BR267
Flight Already Left
=== Code Execution Successful ===
29°C Windy
ENG
19:44
21-08-2024

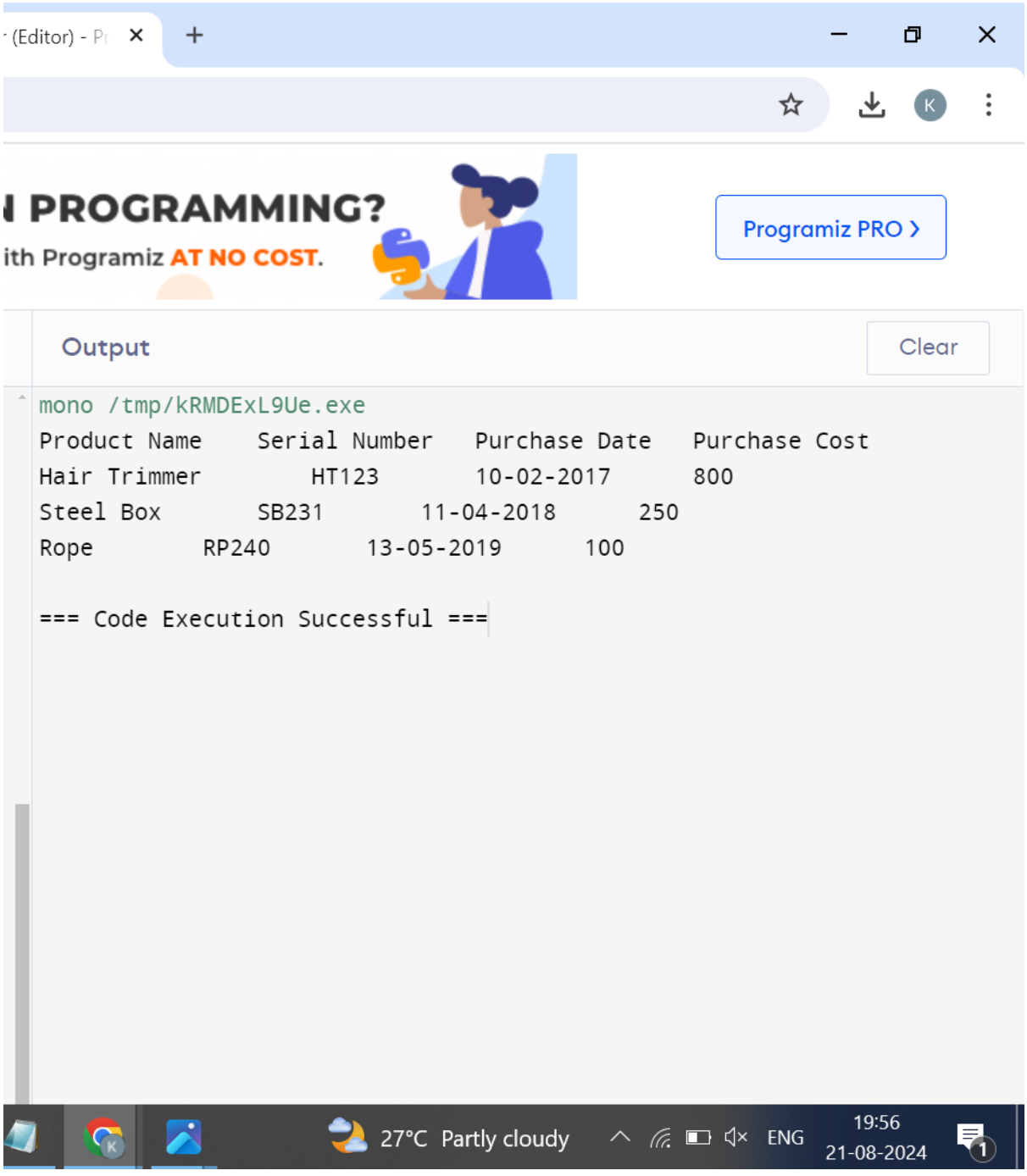
3.CODE

```
using System;


class Program
{
    static void Main(string[] args)
    {
        // Create an array of products
        Product[] products = new Product[3];


        // Initialize the products
        products[0] = new Product("Hair Trimmer", "HT123",
"10-02-2017", 800);
        products[1] = new Product("Steel Box", "SB231", "11-04-
2018", 250);
        products[2] = new Product("Rope", "RP240", "13-05-
2019", 100);


        // Display the table header
        Console.WriteLine("Product Name\tSerial
Number\tPurchase Date\tPurchase Cost");


        // Display the product details
```

```
        foreach (Product product in products)
        {

Console.WriteLine($"{product.Name}\t\t{product.SerialNum
ber}\t\t{product.PurchaseDate}\t\t{product.PurchaseCost}");
        }
    }
}

class Product
{
    public string Name { get; set; }
    public string SerialNumber { get; set; }
    public string PurchaseDate { get; set; }
    public double PurchaseCost { get; set; }

    public Product(string name, string serialNumber, string
purchaseDate, double purchaseCost)
    {
        Name = name;
        SerialNumber = serialNumber;
        PurchaseDate = purchaseDate;
        PurchaseCost = purchaseCost;
```

```
    }
}
```

OUTPUT


(Editor) - Pr
I PROGRAMMING?
ith Programiz AT NO COST.
Programiz PRO ›
Output
Clear
mono /tmp/kRMDExL9Ue.exe
Product Name Serial Number Purchase Date Purchase Cost
Hair Trimmer HT123 10-02-2017 800
Steel Box SB231 11-04-2018 250
Rope RP240 13-05-2019 100
=== Code Execution Successful ===
27°C Partly cloudy
ENG
19:56
21-08-2024