PG-DAC MARCH 23 (TVM MODULE END LAB EXAM) MS.NET

Q1. Write a program in C# to insert two books' information.
Test Data:
Insert the information of two books :
Information of book 1:
Input name of the book : BASIC
Input the author : Kumar Mehra
Information of book 2 :
Input name of the book : C+
Input the author : Sainath Sharma
Expected Output:
1: Title = BASIC, Author = Kumar Mehra
2: Title = C+, Author = Sainath Sharma
CODE:
PROGRAM.CS FILE:

```
// Insert information for the first book
Console.WriteLine("Information of book 1:");
Console.Write("Input name of the book: ");
string title1 = Console.ReadLine();
Console.Write("Input the author: ");
string author1 = Console.ReadLine();

// Create a book object and assign the provided information
Book book1 = new Book();
book1.Title = title1;
book1.Author = author1;

// Insert the first book into the array
books[0] = book1;
```

```
// Insert information for the second book
Console.WriteLine("\nInformation of book 2:");
Console.Write("Input name of the book: ");
string title2 = Console.ReadLine();
Console.Write("Input the author: ");
string author2 = Console.ReadLine();

// Create a book object and assign the provided information
Book book2 = new Book();
book2.Title = title2;
book2.Author = author2;

// Insert the second book into the array
books[1] = book2;
```

OUTPUT:

```
G:\CDAC MODULES\Dot Net\ModuleEndExam\Book\bin\Debug\net7.0\Book\
Information of book 1:
Input name of the book: BASIC
Input the author: Kumar Mehra

Information of book 2:
Input name of the book: C+
Input the author: Sainath Sharma

Expected Output:
1: Title = BASIC, Author = Kumar Mehra
2: Title = C+, Author = Sainath Sharma
```

Q2. Create a MVC program for calculating the speed in km/h when the speed is given in m/s. Display the output using ViewBag.

CODE:

HOME CONTROLLER.CS FILE:

```
[HttpPost]
O references
public IActionResult CalculateSpeed(double speed)
{
    // Convert speed from m/s to km/h
    double speedInKmPerHour = speed * 3.6;

    // Pass the calculated speed to the view using ViewBag
    ViewBag.SpeedInKmPerHour = speedInKmPerHour;

    return View("Index");
}
```

INDEX.CSHTML FILE:

OUTPUT:

SpeedCalculator Home Privacy

Speed Calculator

Result:

The speed in km/h is: 90