WRAV102/MSEV102: Practical 5

*Submit in Moodle before Monday 26 September 14:00*

**Add your name, surname and student number in the space provided below:**

Name and Surname: Ayabonga Kemese

Student number:s225175614

1/75

**Combine all your tasks into one file to submit in Moodle:**

1. Add your personal details in the space provided above.
2. Copy your code from the .cs file in Visual Studio to the provided space under the relevant heading. *Copy all your code – from line 1 up to the last curly bracket (remember that your will have more than one file containing code for the task).*
3. Use the SAVE AS functionality to save your document with your student number in the filename – P5-*studentnumber.*docx (e.g. P5-*224390000*, *where you have your student number after the -*)

**Submit your file in Moodle:**

1. Return to the WRAV102/MSEV102 Moodle site – upload your Word document to the Prac 5 link in the *Week 7* section.

**Task 1 (Car dealer)**

**Solution Code:**

**Car.cs file**

*<<Copy and paste your code from the Car.cs file here>>*

public class Class1

{

int regNo;

int rentPrice;

bool rented;

List<int> list = new List<int>();

public Class1(int regNo,

int rentPrice,

bool rented)

{

this.regNo = regNo;

this.rentPrice = rentPrice;

this.rented = rented;

}

public void isRented()

{

if (this.rented)

Console.WriteLine("Car has already been taken");

else

Console.WriteLine("Car is available");

}

public void displayCar()

{

Console.WriteLine(this.regNo);

}

}

**carList.cs file**

*<<Copy and paste your code from the CarList.cs file here>>*

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**Program.cs file 1/11**

*<<Copy and paste your code from the Program.cs file here>>*

global using global::System.Collections.Generic;

namespace ConsoleApp1prac4

{

internal class Program

{

static void Main(string[] args)

{

List<Class1> cars = new List<Class1>();

int menu = 0;

while (menu != -1) 🗶

Menu();

menu = Convert.ToInt32(Console.ReadLine());

switch (menu)

{

case 1:

break;

case 2:

break;

case 3:

break;

case 4:

break;

case 5:

break;

case 6:

break;

}

}

static void Menu()

{

Console.WriteLine("select option to perform");

Console.WriteLine("1. display all cars in list");

Console.WriteLine("2. Check if car is still available");

Console.WriteLine("4. Change car price");

Console.WriteLine("5. rent a car");

Console.WriteLine("6. buy a car ");

Console.WriteLine("-1. Quit application");

}

}

}

**Task 2 (Car rental)**

**Solution Code:**

**Car.cs file**

*<<Copy and paste your code from the Car.cs file here>>*

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**carPool.cs file**

*<<Copy and paste your code from the CarPool.cs file here>>*

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**Program.cs file**

*<<Copy and paste your code from the Program.cs file here>>*

global using global::System.Collections.Generic;

namespace ConsoleApp1prac4

{

internal class Program

{

static void Main(string[] args)

{

List<Class1> cars = new List<Class1>();

int menu = 0;

while (menu != -1)

Menu();

menu = Convert.ToInt32(Console.ReadLine());

switch (menu)

{✓

case 1:

break;

case 2:

break;

case 3:

break;

case 4:

break;

case 5:

break;

case 6:

break;

}

}

static void Menu()

{

Console.WriteLine("select option to perform");

Console.WriteLine("1. display all cars in list");

Console.WriteLine("2. Check if car is still available");

Console.WriteLine("4. Change car price");

Console.WriteLine("5. rent a car");

Console.WriteLine("6. buy a car ");

Console.WriteLine("-1. Quit application");

}

}

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