Name: Ramanpreet Kaur

ID:

Assignment 1

StudentTypes.cs

public enum StudentType

{

Unknown,

PartTime,

FullTime

}

Student.cs

public class Student

{

public int Id { get; set; }

public StudentType Type { get; set; }

public string FirstName { get; set; }

public string LastName { get; set; }

}

CreateStudent.cs

public class StudentUtilities

{

public static Student CreateStudent(int id, StudentType type, string firstName, string lastName)

{

return new Student

{

Id = id,

Type = type,

FirstName = firstName ?? "",

LastName = lastName ?? ""

};

}

public static void OutputStudent(Student student)

{

string studentTypeString = student.Type.ToString();

Console.WriteLine($"Student: {student.Id:D3} {student.FirstName} {student.LastName} ({studentTypeString})");

}

}

Program.cs

class Program

{

static void Main(string[] args)

{

var student1 = StudentUtilities.CreateStudent(1, StudentType.FullTime, "Ramanpreet", "Kaur");

var student2 = StudentUtilities.CreateStudent(2, StudentType.PartTime, "Sam", "Wilson");

var student3 = StudentUtilities.CreateStudent(0, StudentType.PartTime, "Reed", "Richard");

Console.WriteLine("Alignment One");

StudentUtilities.OutputStudent(student1);

StudentUtilities.OutputStudent(student2);

StudentUtilities.OutputStudent(student3);

Console.WriteLine("Press any key to exit...");

Console.ReadKey();

}

}

Output

