Assignment 4

C# Language

RAKSHIT KESHRI

1. Create a console app to demonstrate function overloading

using System;

namespace Lec10RealLifeExample

{

// Function Overloading Example

class Program

{

static void Main(string[] args)

{

gameOver();

gameOver(1000);

gameOver("Rakshit", 1000);

}

public static void gameOver()

{

Console.WriteLine("Game Over");

}

public static void gameOver(int score)

{

Console.WriteLine("Game Over");

Console.WriteLine($"Your Score is {score}");

}

public static void gameOver(string playerName, int score)

{

Console.WriteLine("Game Over");

Console.WriteLine($"{playerName} your score is {score}");

}

}

}

2. Create a console app to demonstrate interface

using System;

namespace Lec10RealLifeExample

{

class Program

{

interface Faculty

{

void getFacultyName();

void displayFacultyName();

}

interface Student

{

void getStudentName();

void displayStudentName();

}

class Data : Faculty, Student

{

string fname, sname;

public void displayFacultyName()

{

Console.WriteLine($"The Faculty name is: {fname}");

}

public void displayStudentName()

{

Console.WriteLine($"The Student name is: {sname}");

}

public void getFacultyName()

{

Console.WriteLine("Enter Faculty Name: ");

fname = Console.ReadLine();

}

public void getStudentName()

{

Console.WriteLine("Enter Student Name: ");

sname = Console.ReadLine();

}

}

static void Main(string[] args)

{

Data data = new Data();

data.getStudentName();

data.getFacultyName();

data.displayStudentName();

data.displayFacultyName();

}

}

}