**C# HANDSON 3**

**NAME – ASHI JAIN**

**BATCH – IBM .NET**

**Q) Implement a real – life example on multilevel inheritance.**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Multi\_Level\_Inheritence

{

internal class Program

{

public class College

{

public string CollegeName, CollegeAddress;

public void getCollegeDetails()

{

Console.WriteLine("Enter college name: ");

CollegeName = Console.ReadLine();

Console.WriteLine("Enter college address: ");

CollegeAddress = Console.ReadLine();

}

public void printCollegeDetails()

{

Console.WriteLine("\nCollege name is: "+CollegeName);

Console.WriteLine("College address is: "+CollegeAddress);

Console.ReadLine();

}

}

public class Faculty:College

{

public int FacultyId;

public string FacultyName, FacultyDept;

public void getFacultyDetails()

{

getCollegeDetails();

Console.WriteLine("\nEnter the faculty id: ");

FacultyId = int.Parse(Console.ReadLine());

Console.WriteLine("Enter the faculty name: ");

FacultyName = Console.ReadLine();

Console.WriteLine("Enter the faculty department: ");

FacultyDept = Console.ReadLine();

}

public void printFacultyDetails()

{

printCollegeDetails();

Console.WriteLine("\nFaculty id: " + FacultyId);

Console.WriteLine("Faculty name: " + FacultyName);

Console.WriteLine("Faculty department: "+FacultyDept);

Console.ReadLine();

}

}

public class Student:Faculty

{

public int StudentId;

public string StudentName;

public void getStudentDetails()

{

getFacultyDetails();

Console.WriteLine("\nEnter the student id: ");

StudentId = int.Parse(Console.ReadLine());

Console.WriteLine("Enter the student name: ");

StudentName = Console.ReadLine();

}

public void printStudentDetails()

{

printFacultyDetails();

Console.WriteLine("\nFaculty id: " + StudentId);

Console.WriteLine("Faculty name: " + StudentName);

Console.ReadLine();

}

}

public class Outcome:Student {

public void display()

{

getStudentDetails();

printStudentDetails();

}

}

static void Main(string[] args)

{

Outcome outcome = new Outcome();

outcome.display();

Console.ReadLine();

}

}

}

