## Class Nguoi

class Nguoi

{

public string HoTen;

public DateTime NgaySinh;

public virtual void Nhap()

{

Console.Write("Nhap ho ten:");

HoTen = Console.ReadLine();

Console.Write("Nhap ngay sinh:");

NgaySinh = Convert.ToDateTime(Console.ReadLine());

}

public virtual void Xuat()

{

Console.WriteLine("Ho ten:" + HoTen);

Console.WriteLine("Ngay sinh: {0}/{1}/{2}",

NgaySinh.Day, NgaySinh.Month, NgaySinh.Year);

}

}

## Class SinhVien

class SinhVien:Nguoi

{

public string MaSV, Lop, Khoa;

public float DTB;

public int DRL;

public override void Nhap()

{

Console.Write("Nhap Ma sinh vien:");

MaSV = Console.ReadLine();

base.Nhap();

Console.Write("Nhap ten lop:");

Lop = Console.ReadLine();

Console.Write("Nhap ten khoa:");

Khoa = Console.ReadLine();

Console.Write("Nhap diem trung binh:");

DTB = Convert.ToSingle(Console.ReadLine());

Console.Write("Nhap diem ren luyen:");

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

}

public override void Xuat()

{

Console.WriteLine("MaSV:" + MaSV);

base.Xuat();

Console.WriteLine("Lop:" + Lop);

Console.WriteLine("Khoa" + Khoa);

Console.WriteLine("Diem trung binh: {0}", DTB);

Console.WriteLine("Diem ren luyen: {0}", DRL);

}

public bool DKTN()

{

if (DTB >= 5 && DRL >= 50)

{

return true;

}

else

return false;

}

}

## Class DanhSachSV

class DanhSachSV

{

private int n; //So luong sinh vien

private SinhVien[] DS; //Mang chua danh sach sinh vien

public void nhapDS()

{

Console.Write("Nhap so sinh vien:");

n = Int32.Parse(Console.ReadLine());

DS = new SinhVien[n];

for (int i = 0; i < n; i++)

{

Console.WriteLine("Nhap sinh vien thu {0}", i);

DS[i] = new SinhVien();

DS[i].Nhap();

}

}

public void xuatDS()

{

for (int i = 0; i < n; i++)

{

Console.WriteLine("Sinh vien thu {0}:", i);

DS[i].Xuat();

if (DS[i].DKTN() == true)

Console.WriteLine("Sinh vien du dieu kien tot nghiep");

else Console.WriteLine("Sinh vien khong du dieu kien tot nghiep");

}

}

}

## Class Program

class Program

{

static void Main(string[] args)

{

DanhSachSV ds = new DanhSachSV();

Console.WriteLine("Danh sach sinh vien:");

ds.nhapDS();

Console.WriteLine();

ds.xuatDS();

Console.ReadLine();

}

}