```
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
namespace QuanLySinhVien
{
    internal class Program
        static List<Student> danhSachSinhVien = new List<Student>();
        static void Main(string[] args)
            // Them sinh vien vao danh sach
            Student st1 = new Student(1234, "Nguyen Truong Giang", 21);
            danhSachSinhVien.Add(st1);
            Student st2 = new Student(1235, "Pham Tien Dong", 10);
            danhSachSinhVien.Add(st2);
            Student st3 = new Student(1236, "Vo Tan Tai", 15);
            danhSachSinhVien.Add(st3);
            Student st4 = new Student(1237, "Duong Minh Tien", 18);
            danhSachSinhVien.Add(st4);
            Student st5 = new Student(1238, "AHo Xuan Nguyen", 40);
            danhSachSinhVien.Add(st5);
            // Menu
            int choice;
            do
            {
                Console.Clear();
                Console.WriteLine("==== MENU QUAN LY SINH VIEN ====");
                Console.WriteLine("1. Xuat danh sach sinh vien");
                Console.WriteLine("2. Xuat danh sach sinh vien tuoi tu 15
den 18");
                Console.WriteLine("3. Xuat danh sach sinh vien co ten bat
dau bang chu A");
                Console.WriteLine("4. Tinh tong tuoi cua danh sach sinh
vien");
                Console.WriteLine("5. Xuat sinh vien co tuoi lon nhat");
                Console.WriteLine("6. Xuat danh sach sinh vien tang dan
theo tuoi");
                Console.WriteLine("0. Thoat");
                Console.Write("Nhap lua chon cua ban: ");
                choice = int.Parse(Console.ReadLine());
                switch (choice)
```

```
case 1:
                        xuatDanhSachSinhVien();
                        break;
                    case 2:
                        xuatDanhSachSinhVienTuoi1518();
                         break;
                    case 3:
                        xuatDanhSachSinhVienTenChuA();
                         break;
                    case 4:
                        Console.WriteLine("Tong tuoi cua danh sach sinh
vien: " + tinhTongTuoiSinhVien());
                        break;
                    case 5:
                        xuatDanhSachSinhVienTuoiMax();
                        break;
                    case 6:
                        xuatDanhSachTangTheoTuoi();
                        break;
                    case 0:
                        Console.WriteLine("Thoat chuong trinh.");
                        break;
                    default:
                        Console.WriteLine("Lua chon khong hop le, vui
long thu lai.");
                        break;
                }
                if (choice != 0)
                    Console.WriteLine("Nhan phim bat ky de tiep tuc...");
                    Console.ReadKey();
                }
            } while (choice != 0);
            Console.ReadKey();
        }
        static public void xuatDanhSachSinhVien()
        {
            var sinhVienQuery = from sv in danhSachSinhVien
                                 select sv;
            Console.WriteLine("Danh sach sinh vien:");
```

```
foreach (var sv in sinhVienQuery)
            {
                Console.WriteLine($"ID: {sv.ID1}, Ten: {sv.Name1}, Tuoi:
{sv.Age1}");
        static public void xuatDanhSachSinhVienTuoi1518()
        {
            var sinhVienQuery = from sv in danhSachSinhVien
                                where sv.Age1 >= 15 && sv.Age1 <= 18
                                select sv;
            Console.WriteLine("Danh sach sinh vien:");
            foreach (var sv in sinhVienQuery)
                Console.WriteLine($"ID: {sv.ID1}, Ten: {sv.Name1}, Tuoi:
{sv.Age1}");
            }
        }
        static public void xuatDanhSachSinhVienTenChuA()
            var sinhVienQuery = from sv in danhSachSinhVien
                                where sv.Name1.StartsWith("A")
                                select sv;
            Console.WriteLine("Danh sach sinh vien:");
            foreach (var sv in sinhVienQuery)
            {
                Console.WriteLine($"ID: {sv.ID1}, Ten: {sv.Name1}, Tuoi:
{sv.Age1}");
        }
        static public int tinhTongTuoiSinhVien()
            int tongTuoi = danhSachSinhVien.Sum(sv => sv.Age1);
            return tongTuoi;
        }
        static public void xuatDanhSachSinhVienTuoiMax()
            int maxTuoi = danhSachSinhVien.Max(sv => sv.Age1);
            var sinhVienQuery = from sv in danhSachSinhVien
```

```
where sv.Age1 == maxTuoi
                                select sv;
            Console.WriteLine("Danh sach sinh vien co tuoi lon nhat:");
            foreach (var sv in sinhVienQuery)
                Console.WriteLine($"ID: {sv.ID1}, Ten: {sv.Name1}, Tuoi:
{sv.Age1}");
        }
        static public void xuatDanhSachTangTheoTuoi()
            var sinhVienQuery = from sv in danhSachSinhVien
                                orderby sv.Age1
                                select sv;
            Console.WriteLine("Danh sach sinh vien");
            foreach (var sv in sinhVienQuery)
                Console.WriteLine($"ID: {sv.ID1}, Ten: {sv.Name1}, Tuoi:
{sv.Age1}");
    }
}
```

Kết quả khi thực thi chương trình:

Lựa chọn 1:

```
ED Oxfortion Hechiplus Prink X + V - D X

==== HENN QUAN LY STRH VIEN ==== 
1. Xuax danh sach sinh vien to too bat dau bang chu A 
2. Xuax danh sach sinh vien co ten bat dau bang chu A 
4. Tainh tong tuoi cua danh sach sinh vien 
5. Xuax sinh vien co teo ilon nhat 
6. Xuax danh sach sinh vien tang dan theo tuoi 
9. Thoat 
Nhap lua chon cua ban: 1 
Danh sach sinh vien: 10: 1234, Ten: Buguyen Truong Giang, Tuoi: 21 
10: 1234, Ten: Phan Ilen Dong, Tuoi: 18 
10: 1237, Ten: Dong Mish Tien Los: 18 
10: 1227, Ten: Dong Mish Tien Tuoi: 18 
10: 1228, Ten: Abo Xuan Buguen, Tuoi: 49 
Nhan phia bat ky de tiep tuc...
```

Nguyễn Trường Giang - 2280600761

Lua chon 2:

```
ESTATIBLEU DUAN LY SINH VIEN ====

1. Xuat danh sach sinh vien

2. Xuat danh sach sinh vien tuoi tu 15 den 18

3. Xuat danh sach sinh vien co ten bat dau bang chu A

4. Tinh tong tuoi cua danh sach sinh vien

5. Xuat sinh vien co tuoi lon nhat

6. Xuat danh sach sinh vien tang dan theo tuoi

9. Thoat

Nhap lua chon cua ban: 2

Danh sach sinh vien:

1D: 1236, Ten: Vo Tan Tai, Tuoi: 15

ID: 1237, Ten: Duong Minh Tien, Tuoi: 18

Nhan phim bat ky de tiep tuc...
```

Lựa chọn 3:

```
ED DATGILIEU HocTapyLap Trinh × + v - - - ×

==== MENU QUAN LY SINH VIEN ====

1. Xuat danh sach sinh vien

2. Xuat danh sach sinh vien tuoi tu 15 den 18

3. Xuat danh sach sinh vien co ten bat dau bang chu A

4. Tinh tong tuoi cua danh sach sinh vien

5. Xuat sinh vien co tuoi lon nhat

6. Xuat danh sach sinh vien tang dan theo tuoi

9. Thoat

Nhap lua chon cua ban: 3

Danh sach sinh vien:

1D: 1238, Ten: AHo Xuan Nguyen, Tuoi: 40

Nhan phim bat ky de tiep tuc...
```

Nguyễn Trường Giang - 2280600761

Lựa chọn 4:

Lựa chọn 5:

```
EDITallieu Hoc TapUlap Trinh X + V - - - X

==== MENU QUAN LY SINH VIEN ====

1. Xuat danh sach sinh vien
2. Xuat danh sach sinh vien tuoi tu 15 den 18
3. Xuat danh sach sinh vien co ten bat dau bang chu A
4. Tinh tong tuoi cua danh sach sinh vien
5. Xuat sinh vien co tuoi lon nhat
6. Xuat danh sach sinh vien tang dan theo tuoi
9. Thoat
Nhap lua chon cua ban: 5
Danh sach sinh vien co tuoi lon nhat:
ID: 1238, Ten: AHo Xuan Nguyen, Tuoi: 40
Nhan phim bat ky de tiep tuc...
```

Nguyễn Trường Giang - 2280600761

Lựa chọn 6:

```
EDITAL LIVE UND LAY SINH VIEN ====

1. Xuat danh sach sinh vien

2. Xuat danh sach sinh vien tuoi tu 15 den 18

3. Xuat danh sach sinh vien co ten bat dau bang chu A

4. Tinh tong tuoi cua danh sach sinh vien

5. Xuat sinh vien co tuoi lon nhat

6. Xuat danh sach sinh vien tang dan theo tuoi

9. Thoat

Nhap lua chon cua ban: 6

Danh sach sinh vien

10: 1235, Ten: Pham Tien Dong, Tuoi: 10

10: 1236, Ten: Vo Tan Tai, Tuoi: 15

10: 1237, Ten: Duong Minh Tien, Tuoi: 18

10: 1234, Ten: Nguyen Truong Giang, Tuoi: 21

10: 1234, Ten: Nguyen Truong Giang, Tuoi: 40

Nhan phim bat ky de tiep tuc...
```