using System;

using System.Collections.Generic;

using System.Linq;

class Program

{

static void Main(string[] args)

{

List<IBirthable> all = new List<IBirthable>();

string command;

while((command = Console.ReadLine()) != "End")

{

var tokens = command.Split();

switch (tokens[0])

{

case "Citizen":

all.Add(new Citizen(tokens[1], int.Parse(tokens[2]), tokens[3], tokens[4]));

break;

case "Pet":

all.Add(new Pet(tokens[1], tokens[2]));

break;

}

}

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

all.Where(c => c.Birthdate.Year == year)

.Select(c => c.Birthdate)

.ToList()

.ForEach(dt => Console.WriteLine($"{dt:dd/mm/yyyy}"));

}

}

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