Text

Description automatically generated

using System;

namespace OOPG\_L9E1

{

    class Cinema

    {

        private string strCinemaName;

        protected static int intTicketSold;

        protected static float fltTicketSales;

        public string CinemaName => strCinemaName;

        public Cinema(string name)

        {

            strCinemaName = name;

        }

        public string GetInfo()

        {

            return $"\nTOTAL TICKETS SOLD: {intTicketSold.ToString()}\nTOTAL SALES: {fltTicketSales.ToString()}";

        }

    }

    class Ticket : Cinema

    {

        private string strMovie;

        private float fltTicketPrice;

        public int GetTicket => intTicketSold;

        public float GetPrice => fltTicketSales;

        public Ticket(string movie, float price, string name) : base(name)

        {

            strMovie = movie;

            fltTicketPrice = price;

            intTicketSold += 1;

            fltTicketSales += fltTicketPrice;

        }

    }

    class Program

    {

        static void Main(string[] args)

        {

            Ticket objT1, objT2;

            Console.Write("Enter the name of cinema for movie 1: ");

            string name = Console.ReadLine();

            Console.Write("Enter the movie name for movie 1: ");

            string movie = Console.ReadLine();

            Console.Write("Enter the ticket price for movie 1: ");

            float price = float.Parse(Console.ReadLine()!);

            objT1 = new Ticket(movie, price, name);

            Console.WriteLine($"CINEMA: {objT1.CinemaName}" + objT1.GetInfo());

            Console.Write("\nEnter the name of cinema for movie 2: ");

            name = Console.ReadLine();

            Console.Write("Enter the movie name for movie 2: ");

            movie = Console.ReadLine();

            Console.Write("Enter the ticket price for movie 2: ");

            price = float.Parse(Console.ReadLine()!);

            objT2 = new Ticket(movie, price, name);

            Console.WriteLine($"CINEMA: {objT2.CinemaName}" + objT1.GetInfo());

        }

    }

}

Text

Description automatically generated

using System;

namespace OOPG\_L9E2

{

    class Supermarket

    {

        private string strSupermarketName = "Nice Supermarket";

        protected static int intCustomerCount;

        protected static float fltTotalSales;

        public string SupermarketName => strSupermarketName;

        public int GetCustomerCount => intCustomerCount;

        public Supermarket(string name)

        {

            strSupermarketName = name;

        }

        public static string GetInfo()

        {

            return $"\nTOTAL CUSTOMERS: {intCustomerCount}\nTOTAL SALES: {fltTotalSales}";

        }

    }

    class Customer : Supermarket

    {

        private string strCustomerName;

        private float fltExpense;

        public float TotalSales => fltTotalSales;

        public Customer(string cust, float exp, string  name): base (name)

        {

            strCustomerName = cust;

            fltExpense = exp;

            fltTotalSales += fltExpense;

            intCustomerCount += 1;

        }

    }

    class Program

    {

        static void Main(string[] args)

        {

            Console.Write("Enter the supermarket: ");

            string name = Console.ReadLine();

            Console.Write("Enter the customer's name: ");

            string cust = Console.ReadLine();

            Console.Write("Enter expense: ");

            float exp = float.Parse(Console.ReadLine()!);

            Customer objC1 = new Customer(cust, exp, name);

            Console.WriteLine($"SUPERMARKET NAME: {objC1.SupermarketName}" + Supermarket.GetInfo());

            Console.Write("\nEnter the supermarket: ");

            name = Console.ReadLine();

            Console.Write("Enter the customer's name: ");

            cust = Console.ReadLine();

            Console.Write("Enter expense: ");

            exp = float.Parse(Console.ReadLine()!);

            Customer objC2 = new Customer(cust, exp, name);

            Console.WriteLine($"SUPERMARKET NAME: {objC2.SupermarketName}" + Supermarket.GetInfo());

            Console.ReadKey();

        }

    }

}