using System;

using System.Collections;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void Main(string[] args)

{

//using arrays finding sum of three numbers

int[] data = new int[3];

data[0] = 56;

data[1] = 77;

data[2] = 90;

int sum = 0;

foreach (var d in data)

sum += d;

Console.WriteLine("Sum of the elements is {0}", sum);

//using collections(array list)

ArrayList data2 = new ArrayList();

data2.Add(56);

data2.Add(77);

data2.Add(90);

int sum2 = 0;

foreach (var d in data2)

sum2 = sum2 + (int)d;

Console.WriteLine("Sum2={0}", sum2);

Console.ReadLine();

}

}

}

using System;

using System.Collections;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void Main(string[] args)

{

#region:Array Code

//using arrays finding sum of three numbers

int[] data = new int[3];

data[0] = 56;

data[1] = 77;

data[2] = 90;

int sum = 0;

foreach (var d in data)

sum += d;

Console.WriteLine("Sum of the elements is {0}", sum);

#endregion

#region:Array List

//using collections(array list)

ArrayList data2 = new ArrayList();

data2.Add(56);

data2.Add(77);

data2.Add(90);

int sum2 = 0;

foreach (var d in data2)

sum2 = sum2 + (int)d;

Console.WriteLine("Sum2={0}", sum2);

#endregion

#region:Generics Code

List<int> data3 = new List<int>();

data3.Add(80);

data3.Add(80);

data3.Add(80);

int sum3 = 0;

foreach (var d in data3)

sum3 += d;

Console.WriteLine("Sum is{0}", sum3);

#endregion

Console.ReadLine();

}

}

}

using System;

using System.Collections;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void main(String[] args)

{

{

List<int> data4 = new List<int>() { 90, 87, 65, 43, 67, 97 };

//for loop

for (int i = 0; i < data4.Count; i++)

Console.WriteLine(data4[i]);

//forecah loop

foreach (var d in data4)

Console.WriteLine(d);

//lambda expresssions

data4.ForEach(p => Console.WriteLine(p));

Console.ReadLine();

}

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication8

{

class Program

{

static void Main(string[] args)

{

List<int> data4 = new List<int>() { 90, 87, 66, 40, 67, 97 };

//for loop

Console.WriteLine("for loop");

for (int i = 0; i < data4.Count; i++)

{

if (data4[i]%2 == 0)

Console.WriteLine(data4[i]);

}

//forecah loop

Console.WriteLine("foreach loop");

foreach (var d in data4)

{

if(d%2==0)

Console.WriteLine(d);

}

//lambda expresssions

Console.WriteLine("lambda expressions");

data4.Where(p => (p%2)==0).ToList().ForEach(p=>Console.WriteLine(p));

Console.ReadKey();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication8

{

class Program

{

static void Main(string[] args)

{

List<string> products = new List<string>()

{ "Sony TV","Samsung TV","Onida TV","Samsung S7","Philips TV","Samsung J7" };

//for loop

Console.WriteLine("for loop");

for (int i = 0; i < products.Count; i++)

{

if (products[i].ToUpper().StartsWith("SAMSUNG"))

Console.WriteLine(products[i]);

}

//forecah loop

Console.WriteLine("foreach loop");

foreach (var d in products)

{

if(d.StartsWith("Samsung"))

Console.WriteLine(d);

}

//lambda expresssions

Console.WriteLine("lambda expressions");

products.Where(p => p.StartsWith("Samsung")).ToList().ForEach(p=>Console.WriteLine(p));

Console.ReadKey();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication8

{

class Product

{

public string name;

public int price;

public string brand;

}

class Program

{

static void Main(string[] args)

{

int minPrice, maxPrice;

string brand;

Console.WriteLine("Enter Brand: ");

brand = Console.ReadLine();

Console.WriteLine("Enter Min Price: ");

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

Console.WriteLine("Enter Max Price: ");

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

List<Product> products = new List<Product>()

{

new Product() {name="Galaxy S7",brand="Samsung",price=16000 },

new Product() {name="S8 plus",brand="Samsung",price=64000 },

new Product() {name="Mi note4",brand="RedMI",price=15000 },

new Product() {name="Iphoine x",brand="APPLE",price=70000 }

};

for(int i=0;i<products.Count;i++)

{

if (products[i].price >= minPrice &&

products[i].price<=maxPrice &&

products[i].brand.StartsWith(brand))

{

Console.WriteLine("Name:{0},Price={1}", products[i].name, products[i].price);

}

}

foreach(var p in products)

{

if (p.price >= minPrice && p.price <= maxPrice && p.brand.StartsWith(brand))

Console.WriteLine("name:{0},Price={1}", p.name, p.price);

}

products.Where(p=>p.brand.StartsWith(brand)&&

p.price >= minPrice

&& p.price <= maxPrice).ToList().

ForEach(p=> Console.WriteLine("Name:{0},Price={1}", p.name, p.price));

Console.ReadKey();

}

}

}

using System;

using System.Collections;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication8

{

    class Employee

    {

        public string name;

        public int id ;

        public int salary;

    }

    class Program

    {

        static void Main(string[] args)

        {

            int id;

            string name;

            Console.WriteLine("Enter Employee id");

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

            Console.WriteLine("Enter Employee name");

            name = Console.ReadLine();

            List<Employee> employees = new List<Employee>()

            {

            new Employee() {id=1,name="Sravani", salary=20000 },

            new Employee() {id=2,name = "Akhila", salary=30000 },

            new Employee() {id=3,name="Joshi",salary=40000 },

            new Employee() {id=4,name="Dayanand", salary=50000}

        };

            //for loop

            Console.WriteLine("using for loop");

            for (int i = 0; i < employees.Count; i++)

            {

                if(

                    employees[i].id==id && employees[i].name==name)

                {

                    Console.WriteLine("id:{0},name:{1},Salary:{2}", employees[i].id, employees[i].name, employees[i].salary);

                }

            }

            //foreach loop

            Console.WriteLine("using foreach loop");

            foreach (var p in employees)

            {

                if(p.id==id && p.name==name)

                {

                    Console.WriteLine("id:{0},name:{1},salary:{2}", p.id,p.name, p.salary);

                }

            }

            //lambda expression

            Console.WriteLine("using lambda ");

            employees.Where(p => p.id == id & p.name==name).ToList().ForEach(p => Console.WriteLine("id:{0},name:{1},salary:{2}",p.id, p.name, p.salary));

            Console.ReadLine();

        }

    }

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication8

{

class Employee

{

public int Id;

public string name;

public int salary;

}

class Program

{

static void Main(string[] args)

{

int Id;

string name;

Console.WriteLine("Enter Id: ");

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

Console.WriteLine("Enter Your Name: ");

name = Console.ReadLine();

List<Employee> details = new List<Employee>()

{

new Employee() {Id=1,name="jeevitha",salary=16000 },

new Employee() {Id=2,name="ravi",salary=25000 },

new Employee() {Id=3,name="prasad",salary=19000 },

new Employee() {Id=4,name="sai",salary=18000 },

};

for(int i=0;i<details.Count;i++)

{

if (details[i].Id == Id && details[i].name==name)

{

Console.WriteLine("Id:{0},name={1},salary={2}", details[i].Id, details[i].name,details[i].salary);

}

}

foreach(var p in details)

{

if (p.Id==Id && p.name==name)

Console.WriteLine("Id:{0},name={1},salary={2}", p.Id, p.name,p.salary);

}

details.Where(p=>p.Id == Id && p.name==name).ToList().

ForEach(p=> Console.WriteLine("Id:{0},name={1},salary={2}", p.Id, p.name,p.salary));

Console.ReadKey();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication9

{

class Program

{

static void Main(string[] args)

{

string proceed = "y";

int id, quantity;

int totalprice = 0;

do

{

Console.Clear();

DisplayProducts();

Console.WriteLine("\n Select product id:");

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

Console.WriteLine("\n Enter quantity:");

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

totalprice = totalprice + quantity \* GetProductPrice(id);

Console.WriteLine("\n Do you want to add another produce(y/n):");

proceed = Console.ReadLine();

}

while (proceed == "y");

Console.Clear();

Console.WriteLine("\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*YOUR BILL\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("\n\nAmount : {0}", totalprice);

Console.WriteLine("\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("\n\nThankyou...Visit Again");

Console.ReadLine();

}

static void DisplayProducts()

{

Console.WriteLine("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("\nPRODUCT MENU");

Console.WriteLine("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("\n1.Tv");

Console.WriteLine("\n2.Ac");

Console.WriteLine("\n3.Refrigerator");

Console.WriteLine("\n4.Washing Machine");

Console.WriteLine("\n5.LapTop");

}

static int GetProductPrice(int id)

{

int price = 0;

switch(id)

{

case 1:

price = 18000;

break;

case 2:

price = 26000;

break;

case 3:

price = 14000;

break;

case 4:

price = 22000;

break;

case 5:

price = 46000;

break;

default:price = 0;

break;

}

return price;

}

}

}