using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Employee

{

public int age;

public string name;

public float salary;

public Employee()

{

}

public Employee(int age,string name,float salary)

{

this.age = age;

this.name = name;

this.salary = salary;

}

public Employee(float salary)

{

this.salary = salary;

}

}

class Program

{

static void Main(string[] args)

{

Employee emp = new Employee();//this is default cttr

Employee emp2 = new Employee(5, "abc", 100);

Employee emp3 = new Employee(30000);

emp3.name = "pqr";

emp3.age = 50;

emp.name = "abc";

Console.WriteLine(emp.age);

Console.WriteLine(emp.name);

Console.WriteLine(emp.salary);

Console.WriteLine(emp2.age);

Console.WriteLine(emp2.name);

Console.WriteLine(emp2.salary);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Employee

{

public int age;

public string name;

public float salary;

public Employee()

{

}

public Employee(int age,string name,float salary)

{

this.age = age;

this.name = name;

this.salary = salary;

}

public Employee(float salary)

{

this.salary = salary;

}

}

class Program

{

static void Main(string[] args)

{

Employee emp = new Employee();//this is default cttr

Employee emp2 = new Employee(5, "abc", 100);//parameterized cttr

Employee emp3 = new Employee(30000);//static

emp3.name = "pqr";

emp3.age = 50;

emp.name = "abc";

Console.WriteLine(emp.age);

Console.WriteLine(emp.name);

Console.WriteLine(emp.salary);

Console.WriteLine(emp2.age);

Console.WriteLine(emp2.name);

Console.WriteLine(emp2.salary);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Algebra//parent class

{

public int AddNumbers(int a,int b)

{

return a + b;

}

public int MulNumbers(int a, int b)

{

return a \* b;

}

}

class TotalMaths : Algebra//child class

{

public int DivNumbers(int a,int b)

{

return a / b;

}

}

class Program

{

static void Main(string[] args)

{

TotalMaths obj = new TotalMaths();

Console.WriteLine(obj.AddNumbers(5, 6));

Console.WriteLine(obj.MulNumbers(5, 6));

Console.WriteLine(obj.DivNumbers(5, 5));

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Program

{

static void Main(string[] args)

{

int a, b, c,ans=1,small=1;

Console.WriteLine("Enter the first number: ");

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

Console.WriteLine("Enter the second number: ");

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

Console.WriteLine("Enter the third number: ");

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

//logic for finding smallest

if(a<=b)//ignore b

{

small = (a <= c) ? a : c;

}

else//ignore a

{

small = (b <= c) ? b : c;

}

for(int i=small;i>1;i--)

{

if(a%i == 0 && b%i== 0 && c%i == 0)

{

ans = i;

break;

}

}

Console.WriteLine("Answer:{0}", ans);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication5

{

class Program

{

static void Main(string[] args)

{

int a, b, c,big=0,ans=0;

Console.WriteLine("Enter the first number: ");

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

Console.WriteLine("Enter the second number: ");

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

Console.WriteLine("Enter the third number: ");

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

//logic for finding largest

if (a >= b)//ignore b

{

big = (a >= c) ? a : c;

}

else//ignore a

{

big= (b >= c) ? b : c;

}

for (int i = big; i > 1; i++)

{

if (i % a == 0 && i % b == 0 && i % c == 0)

{

ans = i;

break;

}

}

Console.WriteLine("Answer:{0}", ans);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class EnglishMessage

{

public void SayHi()

{

Console.WriteLine("Hi");

}

public void SayHello()

{

Console.WriteLine("Hello");

}

public void SayGoodMorning()

{

Console.WriteLine("GoodMorning");

}

}

class HindiMessage : EnglishMessage

{

public new void SayGoodMorning()

{

Console.WriteLine("Shubodhay");

}

}

class Program

{

static void Main(string[] args)

{

HindiMessage hm = new HindiMessage();

hm.SayGoodMorning();

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class SoftwareAnalyst

{

public virtual int GetSalary()

{

return 30000;

}

}

class SeniorAnalyst:SoftwareAnalyst

{

public override int GetSalary()

{

return 2\*base.GetSalary();

}

}

class Consultant : SeniorAnalyst

{

public override int GetSalary()

{

return 2 \*base.GetSalary() ;

}

}

class Manager : Consultant

{

public override int GetSalary()

{

return 2 \* base.GetSalary();

}

}

class Program

{

static void Main(string[] args)

{

Consultant obj = new Consultant();

Console.WriteLine(obj.GetSalary());

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("\"hello\"");

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

abstract class Salary

{

public int GetPF(int basic)

{

return (12 \* basic) / 100;

}

public int GetHRA(int basic)

{

return (40 \* basic) / 100;

}

public abstract int GetCV();

public abstract int GetSpecialAllowance();

}

class ABC : Salary

{

public override int GetCV()

{

return 1500;

}

public override int GetSpecialAllowance()

{

return 15000;

}

}

class PQR : Salary

{

public override int GetCV()

{

return 2000;

}

public override int GetSpecialAllowance()

{

return 20000;

}

}

class CapGemini : Salary

{

public override int GetCV()

{

return 2500;

}

public override int GetSpecialAllowance()

{

return 25000;

}

}

class Program

{

static void Main(string[] args)

{

PQR obj = new PQR();

int basic = 9000;

int finalSalary = obj.GetPF(basic) + obj.GetHRA(basic) + obj.GetCV() + obj.GetSpecialAllowance();

Console.WriteLine("PQR Emp Salary=" + finalSalary);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

interface Ishape

{

int GetArea();

int GetPerimeter();

}

class Circle : Ishape

{

public int r;

public int GetArea()

{

return 22\*r\*r/7;

}

public int GetPerimeter()

{

return 2\*22\*r/7;

}

}

class Program

{

static void Main(string[] args)

{

Circle obj = new Circle();

obj.r = 7;

Console.WriteLine(obj.GetArea());

Console.WriteLine(obj.GetPerimeter());

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void Main(string[] args)

{

try

{

int a, b, c;

Console.WriteLine("Enter first number: ");

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

Console.WriteLine("Enter second number: ");

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

c = a / b;

Console.WriteLine("{0}/{1}={2}", a, b, c);

}

catch (FormatException)

{

Console.WriteLine("Please enter only numbers");

}

catch (DivideByZeroException)

{

Console.WriteLine("Secong number cannot be zero");

}

catch (OverflowException)

{

Console.WriteLine("valid upto 9000000 only");

}

catch(Exception)

{

Console.WriteLine("Please some error occurred.Please call 121");

}

finally

{

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

Console.WriteLine("Designed by:Jeevitha");

}

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void Main(string[] args)

{

int number, remainder, sum = 0;

Console.WriteLine("enter the Number : ");

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

for (int i = number; i > 0; i = i / 10)

{

remainder = i % 10;

sum = sum + remainder \* remainder \* remainder;

}

if (sum == number)

{

Console.Write("Entered Number is an Armstrong Number");

}

else

Console.Write("Entered Number is not an Armstrong Number");

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication7

{

class Program

{

static void Main(string[] args)

{

int n1 = 0, n2 = 1, n3, i, number;

Console.Write("Enter the number of elements: ");

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

Console.Write(n1 + " " + n2 + " "); //printing 0 and 1

for (i = 2; i < number; ++i) //loop starts from 2 because 0 and 1 are already printed

{

n3 = n1 + n2;

Console.Write(n3 + " ");

n1 = n2;

n2 = n3;

}

Console.ReadLine();

}

}

}