using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int input;

string name;

Console.WriteLine("Enetr any number: ");

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

Console.WriteLine("Enter your name:");

name = Console.ReadLine();

Console.WriteLine("You name : {1}, number:{0}", input, name);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int input;

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

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

for(int i=1;i<=10;i++)

{

Console.WriteLine("{0}X{1}={2}",input,i,input\*i);

}

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int[] data = new int[5];

int sum = 0;

for (int i = 0; i < 5; i++)

{

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

data[i] = int.Parse(Console.ReadLine());

}

for (int i = 0; i < 5; i++)

sum += data[i];

Console.WriteLine("Sum={0}",sum);

Console.WriteLine("Sum "+sum);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int input;

int count = 0;

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

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

for(int i=1;i<input;i++)

{

if (input%i == 0)

count += 1;

}

if (count == 2)

Console.WriteLine("{0} is a prime", input);

else

Console.WriteLine("{0} is a not prime", input);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

int a, b;

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

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

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

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

int count = 1;

for (int i = 1; i <= b; i++)

count = count \* a;

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

/\*Console.WriteLine("{0} pow {1}={2}", a, b,Math.Pow(a,b));\*/

Console.ReadLine();

}

}

}

using System;//3443kb

using System.Collections.Generic;

using System.Linq;//29kb

using System.Text;

using System.Threading.Tasks;//30kb

namespace ConsoleApplication2

{

class Employee

{

public string name;

public int age;

public void ReadData()

{

Console.WriteLine("Enter Name:");

name = Console.ReadLine();

Console.WriteLine("Enter age:");

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

}

public void PrintData()

{

Console.WriteLine("Name : {0}, age: {1}", name, age);

}

}

class Program

{

static void Main(string[] args)

{

Employee emp = new Employee();

emp.ReadData();

emp.PrintData();

Employee emp2 = new Employee();

emp2.ReadData();

emp2.PrintData();

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Probability

{

public int nCr(int n,int r)

{

int result = Factorial(n) / (Factorial(n - r) \* Factorial(r));

return result;

}

public int nPr(int n, int r)

{

int result = Factorial(n) / Factorial(n - r);

return result;

}

public int Factorial(int n)

{

int i, result = 1;

for ( i = 1; i <= n; i++)

result = result \* i;

return result;

}

}

class Program

{

static void Main(string[] args)

{

Probability p = new Probability();

Console.WriteLine(p.nCr(5,2));

Console.WriteLine(p.nPr(5,2));

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Probability

{

public int nCr(int n,int r)

{

int result = Factorial(n) / (Factorial(n - r) \* Factorial(r));

return result;

}

public int nPr(int n, int r)

{

int result = Factorial(n) / Factorial(n - r);

return result;

}

public int Factorial(int n)

{

int i, result = 1;

for ( i = 1; i <= n; i++)

result = result \* i;

return result;

}

}

class Program

{

static void Main(string[] args)

{

Probability p = new Probability();

int n, r;

Console.WriteLine("Enter n value:");

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

Console.WriteLine("Enter r value:");

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

Console.WriteLine("{0}P{1}={2}",n,r,p.nPr(n, r));

Console.WriteLine("{0}C{1}={2}", n, r, p.nCr(n, r));

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 num, sum = 0, r;

Console.WriteLine("Enter a Number : ");

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

while (num != 0)

{

r = num % 10;

num = num / 10;

sum = sum + r;

}

Console.WriteLine("Sum: " + sum);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Student

{

private int id;

private string name;

private int percent;

public void ReadData()

{

Console.WriteLine("Enter student id: ");

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

Console.WriteLine("Enter student name: ");

name = Console.ReadLine();

Console.WriteLine("Enter student percent: ");

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

}

public void PrintData()

{

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

}

}

class Program

{

static void Main(string[] args)

{

Student s = new Student();

s.ReadData();

s.PrintData();

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)

{

string name;

int score = 0, ans;

Console.WriteLine("Enter your name: ");

name = Console.ReadLine();

Console.Clear();

Console.WriteLine("Q1.what is the capital of kerala?");

Console.WriteLine("1.chennai 2.hyd 3.ban 4.thiruchhi");

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

if (ans == 4)

score += 20;

Console.Clear();

Console.WriteLine("Q2.what is the capital of ap?");

Console.WriteLine("1.chennai 2.hyd 3.amaravathi 4.thiruchhi");

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

if (ans == 3)

score += 20;

Console.Clear();

Console.WriteLine("Q3.what is the capital of tn?");

Console.WriteLine("1.chennai 2.hyd 3.ban 4.thiruchhi");

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

if (ans == 1)

score += 20;

Console.Clear();

Console.WriteLine("Q4.what is the capital of delhi?");

Console.WriteLine("1.chennai 2.delhi 3.ban 4.thiruchhi");

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

if (ans == 2)

score += 20;

Console.Clear();

Console.WriteLine("Q5.what is the capital of maharastra?");

Console.WriteLine("1.chennai 2.hyd 3.ban 4.bombay");

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

if (ans == 4)

score += 20;

Console.Clear();

if (score > 60)

Console.WriteLine("Hi{0} your score{1} and you passed", name, score);

else

Console.WriteLine("Hi{0} your score{1} and you failed", name, score);

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 n, i, j;

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

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

for(i=1;i<=n;i++)

{

for (j = 1; j <= i; j++)

Console.Write("\* ");

Console.Write("\n");

}

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 n, i, j;

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

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

for(i=n;i>=1;i--)

{

for (j = 1; j <= i; j++)

Console.Write(i );

Console.Write("\n");

}

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[] data = new int[] { 9, 6, 4, 3, 8 };

int temp;

for(int i=4;i>=0;i--)

{

for(int j=0;j<i;j++)

{

if(data[j]>data[j+1])

{

temp = data[j];

data[j] = data[j + 1];

data[j + 1] = temp;

}

}

}

for (int i = 0; i < 5; i++)

Console.WriteLine("{0}", data[i]);

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Program

{

static void MyMethod1(int n)

{

n = n + 5;

}

static void Main(string[] args)

{

int n = 20;

MyMethod1(n);

Console.WriteLine(n);//output=20

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Program

{

static void MyMethod1(ref int n)

{

n = n + 5;

}

static void Main(string[] args)

{

int n = 20;

MyMethod1(ref n);

Console.WriteLine(n);//output=25

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Program

{

static void MyMethod1(out int n)

{

n =95;

}

static void Main(string[] args)

{

int n = 20;

MyMethod1(out n);

Console.WriteLine(n);//output=95

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Program

{

static int Add(int a,int b)

{

return a + b;

}

static int Add(int a, int b,int c)

{

return a + b+c;

}

static int Add(int a, int b,int c,int d)

{

return a + b+c+d;

}

static void Main(string[] args)

{

Console.WriteLine(Add(5, 6, 7));

Console.ReadLine();

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication3

{

class Program

{

static int Add(params int[] n)

{

int sum = 0;

foreach (int i in n)

sum += i;

return sum;

}

static void Main(string[] args)

{

Console.WriteLine(Add(5, 6, 7));

Console.WriteLine(Add(5, 6, 7,9));

Console.WriteLine(Add(5, 6));

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 Rev = 0;

Console.WriteLine("Enter a Number");

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

while (Number > 0)

{

int remain = Number % 10;

Rev = (Rev \* 10) + remain;

Number = Number / 10;

}

Console.WriteLine("Reverse No. is {0}", Rev);

Console.ReadLine();

}

}

}