BCA Optimized Notes by Yash

Semester IV - C# Programs

Table of Contents

Unit 1 Chapter 1	3
1) Hello World	3
2) Area of Circle with Constant pi	3
3) Sum of Two Integers	3
4) Swap Two Numbers	4
5) Find the Tallest Person between Two	5
6) Maximum between Three Numbers	5
7) Maximum between Three Numbers (Nested If)	6
8) Factorial	7
9) Reverse a Number	8
10) Krishnamurthi Number	8
11) Prime Number	9
12) Area of Rectangle w/ Function	10
13) Max b/w Two Numbers w/ Function	10
14) Factorial w/ Function	11
15) Area of Circle w/ Function	12
16) Product Bills	12
17) Cube w/ Function	13
18) Swapping with Reference	14
19) Area & Perimeter of Rectangle w/ Function	14
20) Positive or Negative in Array	15
21) Max in Array	16
22) Print Identity Matrix	17
23) Cube a Matrix	17
24) Positive or Negative Switch	18
25) Add Two Matrices	19
26) Square w/ Constructor	20
27) Perimeter of Circle w/ Constructor	21
28) Employee Salary Calculation	22
29) Single Inheritance	22
30) Multilevel Inheritance	23
31) Method Overloading/Polymorphism	24
32) Exception Handling	25
33) Multiple Exception Handling	25

Unit 1 Chapter 1

1) Hello World

```
Code
```

2) Area of Circle with Constant pi

Code

Output

```
Yash C# program2.exe
Enter radius: 5
The area of the circle is 78.5.
```

3) Sum of Two Integers

```
int num2 = Convert.ToInt32(Console.ReadLine());
               Console.WriteLine("The sum of the two numbers is
\{0\}.", (num1 + num2));
     }
}
Output
                      program3.exe

    □ C#
Enter number 1: 16
Enter number 2: 32
The sum of the two numbers is 48.
4) Swap Two Numbers
Code
using System;
namespace CSharpPrograms {
     class SwapTwoNumbers {
          static void Main(string[] args) {
               Console.Write("Enter number 1: ");
               int num1 = Convert.ToInt32(Console.ReadLine());
               Console.Write("Enter number 2: ");
               int num2 = Convert.ToInt32(Console.ReadLine());
               Console.WriteLine("");
               Console.WriteLine("Before Swapping");
               Console.WriteLine("Number 1 = " + num1);
               Console.WriteLine("Number 2 = " + num2):
               num1 = num1 + num2;
               num2 = num1 - num2;
               num1 = num1 - num2;
               Console.WriteLine("");
               Console.WriteLine("After Swapping");
               Console.WriteLine("Number 1 = " + num1);
               Console.WriteLine("Number 2 = " + num2);
          }
     }
}
Output
                      program4.exe
  Yash > 🗁 C#
Enter number 1: 14
Enter number 2: 7
Before Swapping
Number 1 = 14
Number 2 = 7
```

After Swapping Number 1 = 7 Number 2 = 14

5) Find the Tallest Person between Two

```
Code
```

```
using System;
namespace CSharpPrograms {
    class TallestPerson {
         static void Main(string[] args) {
              Console.Write("Enter the height of person 1 (in cm):
");
              double height1 = Convert.ToDouble(Console.ReadLine());
              Console.Write("Enter the height of person 2 (in cm):
");
              double height2 = Convert.ToDouble(Console.ReadLine());
              if (height1 > height2) {
                   Console.WriteLine("Person 1 is the tallest
person.");
              }
              else {
                   Console.WriteLine("Person 2 is the tallest
person.");
              }
         }
     }
Output
  Yash C# program5.exe
Enter the height of person 1 (in cm): 165
Enter the height of person 2 (in cm): 170
Person 2 is the tallest person.
  Yash Program5.exe
Enter the height of person 1 (in cm): 175
Enter the height of person 2 (in cm): 160
Person 1 is the tallest person.
6) Maximum between Three Numbers
Code
```

using System;

```
namespace CSharpPrograms {
    class MaxThreeNumbers {
          static void Main(string[] args) {
              Console.Write("Enter number 1: ");
               int num1 = Convert.ToInt32(Console.ReadLine());
               Console.Write("Enter number 2: ");
               int num2 = Convert.ToInt32(Console.ReadLine());
              Console.Write("Enter number 3: ");
               int num3 = Convert.ToInt32(Console.ReadLine());
               if (num1 > num2 && num1 > num3) {
```

```
Yash PC# program6.exe
Enter number 1: 15
Enter number 2: 16
Enter number 3: 17
Number 3 i.e. 17 is the maximum.

Yash PC# program6.exe
Enter number 1: 15
Enter number 2: 17
Enter number 3: 16
Number 2 i.e. 17 is the maximum.

Yash PC# program6.exe
Enter number 1: 17
Enter number 1: 17
Enter number 2: 16
Enter number 3: 15
Number 1 i.e. 17 is the maximum.
```

7) Maximum between Three Numbers (Nested If)

Code

using System;

maximum.", num1);

Console.WriteLine("Number 1 i.e. {0} is the

```
else {
                         Console.WriteLine("Number 3 i.e. {0} is the
maximum.", num3);
                    }
               }
               else {
                    if (num2 > num3) {
                         Console.WriteLine("Number 2 i.e. {0} is the
maximum.", num2);
                    else {
                         Console.WriteLine("Number 3 i.e. {0} is the
maximum.", num3);
                    }
               }
          }
     }
}
Output
```

```
Yash
                    program7.exe
Enter number 1: 20
Enter number 2: 22
Enter number 3: 24
Number 3 i.e. 24 is the maximum.
Yash C# program7.exe
Enter number 1: 20
Enter number 2: 24
Enter number 3: 22
Number 2 i.e. 24 is the maximum.
 Yash Program7.exe
Enter number 1: 24
Enter number 2: 22
Enter number 3: 20
Number 1 i.e. 24 is the maximum.
```

8) Factorial

using System;

```
namespace CSharpPrograms {
     class Factorial {
          static void Main(string[] args) {
               int fact = 1;
               Console.Write("Enter number: ");
               int num = Convert.ToInt32(Console.ReadLine());
               for (int i = num; i > 0; i--) {
                    fact = fact * i;
```

```
Console.WriteLine("The factorial of the number {0} is
{1}.", num, fact);
Output
 Yash
                      program8.exe
Enter number: 5
The factorial of the number 5 is 120.
9) Reverse a Number
Code
using System;
namespace CSharpPrograms {
     class ReverseNumber {
          static void Main(string[] args) {
               int rem = 0, rev = 0;
               Console.Write("Enter number: ");
               int num = Convert.ToInt32(Console.ReadLine());
               int tempNum = num;
               while (num != 0) {
                   rem = num % 10;
                    rev = (rev * 10) + rem;
                   num = num / 10;
               Console.WriteLine("The reverse of the number {0} is
{1}.", tempNum, rev);
Output
                     program9.exe
Enter number: 795
The reverse of the number 795 is 597.
10) Krishnamurthi Number
Code
using System;
namespace CSharpPrograms {
     class Krishnamurthi {
          static void Main(string[] args) {
               int km = 0, rem = 0, fact = 1;
               Console.Write("Enter number: ");
               int num = Convert.ToInt32(Console.ReadLine());
               int tempNum = num;
```

```
while (num != 0) {
                   rem = num % 10;
                   for (int i = 1; i <= rem; i++) {
                        fact = fact * i:
                   km = km + fact;
                   num = num / 10;
                   fact = 1;
              if (km == tempNum) {
                   Console.WriteLine("{0} is a Krishnamurthi
number.", tempNum);
              else {
                   Console.WriteLine("{0} is not a Krishnamurthi
number.", tempNum);
          }
     }
}
Output
         P☐ C# program10.exe
 Enter number: 145
 145 is a Krishnamurthi number.
 Yash C# program10.exe
 Enter number: 155
 155 is not a Krishnamurthi number.
11) Prime Number
Code
using System;
namespace CSharpPrograms {
     class PrimeNumber {
          static void Main(string[] args) {
              int count = 0;
              Console.Write("Enter number: ");
              int num = Convert.ToInt32(Console.ReadLine());
              for (int i = 1; i <= num; i++) {
                   if (num % i == 0) {
                        count++;
                   }
              if (count == 2) {
                   Console.WriteLine("{0} is a prime number.", num);
              }
              else {
                   Console.WriteLine("{0} is not a prime number.",
num);
```

```
}
          }
     }
}
Output
  Yash
                      program11.exe
Enter number: 7
7 is a prime number.
  Yash >> 🗁 C#
                program11.exe
Enter number: 12
12 is not a prime number.
12) Area of Rectangle w/ Function
Code
using System;
namespace CSharpPrograms {
     class AreaOfRect {
         public int length;
         public int breadth;
         public int calArea(int length, int breadth) {
               return length * breadth;
     class MainProg {
          static void Main(string[] args) {
              AreaOfRect rect = new AreaOfRect();
              rect.length = 5;
              rect.breadth = 10;
              Console.WriteLine("The area of the rectangle is {0}.",
rect.calArea(rect.length, rect.breadth));
     }
Output
                      program12.exe
The area of the rectangle is 50.
13) Max b/w Two Numbers w/ Function
Code
using System;
namespace CSharpPrograms {
     class MaxTwoNumbers {
         public int num1;
          public int num2;
         public int maxTwo(int num1, int num2) {
```

```
if (num1 > num2) {
                   return num1;
              }
              else {
                   return num2;
              }
          }
     class MainProg {
          static void Main(string[] args) {
              MaxTwoNumbers max = new MaxTwoNumbers();
              Console.Write("Enter number 1: ");
              max.num1 = Convert.ToInt32(Console.ReadLine());
              Console.Write("Enter number 2: ");
              max.num2 = Convert.ToInt32(Console.ReadLine());
              Console.WriteLine("The maximum between the two numbers
is {0}.", max.maxTwo(max.num1, max.num2));
     }
}
Output
        program13.exe
Enter number 1: 14
Enter number 2: 16
The maximum between the two numbers is 16.
 Yash C# program13.exe
Enter number 1: 16
Enter number 2: 14
The maximum between the two numbers is 16.
14) Factorial w/ Function
Code
using System;
namespace CSharpPrograms {
    class Factorial {
        public int num;
        public void acceptNum() {
            num = Convert.ToInt32(Console.ReadLine());
        public int calFact() {
            int ans = 1;
            for (int i = 1; i <= num; i++) {
                ans *= i;
            return ans;
        }
    class MainProg {
```

```
static void Main(string[] args) {
            Factorial fact = new Factorial();
            Console.Write("Enter a number: ");
            fact.acceptNum():
            Console.WriteLine("The factorial of the number is {0}.",
fact.calFact());
}
Output
 Yash C# program14.exe
Enter a number: 5
The factorial of the number is 120.
15) Area of Circle w/ Function
Code
using System;
namespace CSharpPrograms {
     public class AreaOfCircle {
         public double area, radius;
          public void calArea(double radius) {
              area = 3.14 * (radius * radius);
          public void display() {
              Console.WriteLine("The area of the circle is {0}.",
area);
          }
     class MainProg {
          static void Main(string[] args) {
              AreaOfCircle circ = new AreaOfCircle();
              Console.Write("Enter the radius of the circle: ");
              circ.radius = Convert.ToDouble(Console.ReadLine());
              circ.calArea(circ.radius);
              circ.display();
          }
     }
Output
        → C# ✓ program15.exe
Enter the radius of the circle: 7
The area of the circle is 153.86.
```

16) Product Bills

Code

using System;

```
namespace CSharpPrograms {
     public class Product {
          public int quan, price, bill;
         public void acceptProduct() {
              Console.Write("Enter the number of products: ");
               quan = Convert.ToInt32(Console.ReadLine());
          public int displayBill() {
              price = 10;
              bill = quan * price;
              return bill;
          }
     }
     class MainProg {
          static void Main(string[] args) {
               Product prod = new Product();
               prod.acceptProduct();
              Console.WriteLine("The total bill is {0}.",
prod.displayBill());
     }
Output
 Yash rogram16.exe
Enter the number of products: 100
The total bill is 1000.
17) Cube w/ Function
Code
using System;
namespace CSharpPrograms {
     public class Cube {
          public int num, ans;
         public void acceptNum() {
              Console.Write("Enter a number: ");
               num = Convert.ToInt32(Console.ReadLine());
          public int displayCube() {
              ans = num * num * num;
              return ans;
          }
     class MainProg {
          static void Main(string[] args) {
              Cube cube = new Cube():
              cube.acceptNum();
              Console.WriteLine("The cube of the number is {0}.",
cube.displayCube());
```

```
public void swapNum(ref int num1, ref int num2) {
               int temp;
               temp = num1;
               num1 = num2;
               num2 = temp;
          }
     }
    class MainProg {
          static void Main(string[] args) {
               SwapProg swap = new SwapProg();
               int num1 = 20, num2 = 10;
               Console.WriteLine("num1 = " + num1);
               Console.WriteLine("num2 = " + num2);
               swap.swapNum(ref num1, ref num2);
               Console.WriteLine("num1 = " + num1);
               Console.WriteLine("num2 = " + num2);
          }
     }
}
```

19) Area & Perimeter of Rectangle w/ Function

```
using System;

namespace CSharpPrograms {
    class RectProg {
        int area, perimeter;
        public void calRect(int length, int breadth) {
            area = length * breadth;
        }
}
```

```
perimeter = 2 * (length + breadth);
              Console.WriteLine("The area of the rectangle is {0}
and the perimeter is {1}.", area, perimeter);
    class MainProg {
         static void Main(string[] args) {
              RectProg rect = new RectProg();
              Console.Write("Enter the length of the rectangle: ");
              int length = Convert.ToInt32(Console.ReadLine());
              Console.Write("Enter the breadth of the rectangle: ");
              int breadth = Convert.ToInt32(Console.ReadLine());
              rect.calRect(length, breadth);
         }
     }
}
Output
 Yash > C# program19.exe
```

20) Positive or Negative in Array

Enter the length of the rectangle: 15 Enter the breadth of the rectangle: 10

The area of the rectangle is 150 and the perimeter is 50.

```
using System;
namespace CSharpPrograms {
     class PosOrNegArray {
          static void Main(string[] args) {
               int[] nums = new int[10];
               int num, pos = 0, neg = 0;
               for (int i = 0; i < nums.Length; i++) {</pre>
                    Console.Write("Enter element {0}: ", i);
                    num = Convert.ToInt32(Console.ReadLine());
                    nums[i] = num;
               for (int i = 0; i < nums.Length; i++) {
                    if (nums[i] > 0) {
                         pos++;
                    else {
                         neg++;
               Console.WriteLine("The number of positive elements is
{0}.", pos);
               Console.WriteLine("The number of negative elements is
{0}.", neg);
```

```
}
Output
Yash
Enter 6
```

```
Enter element 0: 15
Enter element 1: -5
Enter element 2: 12
Enter element 3: 3
Enter element 4: 20
Enter element 5: -2
Enter element 6: -16
Enter element 7: -4
Enter element 9: 45
The number of positive elements is 6.
The number of negative elements is 4.
```

21) Max in Array

```
Code
```

```
using System;
namespace CSharpPrograms {
     class MaxArray {
          static void Main(string[] args) {
               int[] nums = new int[5];
               int num, max = nums[0];
               for (int i = 0; i < nums.Length; i++) {
                    Console.Write("Enter element {0}: ", i);
                    num = Convert.ToInt32(Console.ReadLine());
                    nums[i] = num;
               for (int i = 0; i < nums.Length; i++) {
                    if (max < nums[i]) {</pre>
                         max = nums[i];
                    }
               Console.WriteLine("The maximum element in the array is
{0}.", max);
}
```

Output

```
Program21.exe
Enter element 0: 10
Enter element 1: 55
Enter element 2: 32
Enter element 3: 11
Enter element 4: 96
The maximum element in the array is 96.
```

22) Print Identity Matrix

```
Code
```

```
using System;
namespace CSharpPrograms {
     class IdentityMatrix {
          static void Main(string[] args) {
               int[,] matrix = new int[3, 3];
               int rows = 3, cols = 3;
               for (int i = 0; i < rows; i++) {
                    for (int j = 0; j < cols; j++) {
                         if (i == j) {
                              matrix[i, j] = 1;
                         }
                         else {
                              matrix[i, j] = 0;
                         }
                    }
               for (int i = 0; i < rows; i++) {
                    for (int j = 0; j < cols; j++) {
                         Console.Write(" " + matrix[i, j]);
                    Console.WriteLine();
               }
          }
     }
}
Output
  Yash
        ► C# 🗸
                      program22.exe
 1 0 0
 0 1 0
 0 0 1
```

23) Cube a Matrix

```
matrix[i, j] = input;
                         cubed[i, j] = matrix[i, j] * matrix[i, j] *
matrix[i, j];
                    }
               for (int i = 0; i < rows; i++) {
                    for (int j = 0; j < cols; j++) {
                        Console.Write(" " + cubed[i, j]);
                    Console.WriteLine();
               }
          }
     }
}
Output
                 program23.exe
 Yash 🕥 🗁 C#
Enter element [0][0]: 1
Enter element [0][1]: 2
Enter element [1][0]: 3
Enter element [1][1]: 4
 1 8
 27 64
```

24) Positive or Negative Switch

```
using System;
namespace CSharpPrograms {
     class PosOrNegSwitch {
          static void Main(string[] args) {
               bool positive, negative;
               Console.WriteLine("Is the positive switch on?");
               positive = Convert.ToBoolean(Console.ReadLine());
               Console.WriteLine("Is the negative switch on?");
               negative = Convert.ToBoolean(Console.ReadLine());
               if (positive) {
                    if (negative) {
                         Console.WriteLine("The light is ON.");
                    }
                    else {
                         Console.WriteLine("The light is OFF.");
                    }
               else {
                    if (negative) {
                         Console.WriteLine("The light is OFF.");
                    else {
                         Console.WriteLine("Please plug in.");
```

```
}
        }
    }
}
Output
 Yash C# program24.exe
Is the positive switch on?
Is the negative switch on?
True
The light is ON.
 Yash ► C# ✓ program24.exe
Is the positive switch on?
True
Is the negative switch on?
False
The light is OFF.
 Is the positive switch on?
False
Is the negative switch on?
True
The light is OFF.
 Yash C# program24.exe
Is the positive switch on?
False
Is the negative switch on?
False
Please plug in.
```

}

25) Add Two Matrices

```
Code
```

```
matrix1[i, j] =
Convert.ToInt32(Console.ReadLine());
               Console.WriteLine("Matrix 2");
               for (int i = 0; i < 2; i++) {
                    for (int j = 0; j < 2; j++) {
                         Console.Write("Enter element [{0}][{1}]: ",
i, j);
                         matrix2[i, j] =
Convert.ToInt32(Console.ReadLine());
               for (int i = 0; i < 2; i++) {
                    for (int j = 0; j < 2; j++) {
                         result[i, j] = matrix1[i, j] + matrix2[i,
j];
                    }
               Console.WriteLine("The addition of the matrices is:");
               for (int i = 0; i < 2; i++) {
                    for (int j = 0; j < 2; j++) {
                         Console.Write(" " + result[i, j]);
                    Console.WriteLine();
               }
          }
     }
```

```
Matrix 1
Enter element [0][0]: 12
Enter element [0][1]: 15
Enter element [1][0]: 2
Enter element [1][1]: 6
Matrix 2
Enter element [0][0]: 7
Enter element [0][1]: 10
Enter element [1][0]: 5
Enter element [1][1]: 16
The addition of the matrices is: 19 25
7 22
```

26) Square w/ Constructor

```
using System;
namespace CSharpPrograms {
```

```
class Constructor {
         int a;
         public Constructor() {
              Console.WriteLine("The default constructor has been
called."):
         public void calSqr(int num) {
              a = num;
              Console.WriteLine("The square of the number is {0}.",
(a * a));
         static void Main(string[] args) {
              Constructor p = new Constructor();
              p.calSqr(4);
         }
     }
}
Output
        program26.exe
The default constructor has been called.
The square of the number is 16.
```

27) Perimeter of Circle w/ Constructor

Code

```
using System;
namespace CSharpPrograms {
     class Circle {
          int rad:
          const double pi = 3.14;
          public Circle(int radius) {
               rad = radius;
          public void displayCircum() {
               double peri = (2 * pi) * rad;
               Console.WriteLine("The perimeter of the circle with
radius {0} is {1}.", rad, peri);
          static void Main(string[] args) {
               Circle c = new Circle(5);
               c.displayCircum();
          }
     }
}
```

Output

Yash program27.exe
The perimeter of the circle with radius 5 is 31.4.

28) Employee Salary Calculation

Code

```
using System;
namespace CSharpPrograms {
     class Employee {
          string empName;
          int empID, days, salary;
          public Employee(string name, int id) {
               empName = name;
               empID = id;
          public void login() {
               Console.WriteLine("You are logged in as {0} with the
ID {1}.", empName, empID);
          public void calculate() {
               Console.Write("Enter the number of working days: ");
               days = Convert.ToInt32(Console.ReadLine());
               salary = days \star 5000;
          public void display() {
               Console.WriteLine("--- EMPLOYEE DETAILS ---");
               Console.WriteLine("Name: {0}\nID: {1}\nSalary: {2}",
empName, empID, salary);
          static void Main(string[] args) {
               Employee e = new Employee("Yash", 172);
               e.login();
               e.calculate();
               e.display();
          }
     }
}
Output
  Yash C# program28.exe
You are logged in as Yash with the ID 172.
Enter the number of working days: 30
 — EMPLOYEE DETAILS -
Name: Yash
ID: 172
```

29) Single Inheritance

Salary: 150000

```
using System;
namespace CSharpPrograms {
    class Number {
```

```
public int num;
          public void getNumber() {
               Console.Write("Enter a number: ");
               num = Convert.ToInt32(Console.ReadLine());
     }
     class Square : Number {
          public void display() {
               Console.WriteLine("The square of the number {0} is
{1}.", num, (num * num));
          static void Main(string[] args) {
               Square sqr = new Square();
               sqr.getNumber();
               sqr.display();
          }
     }
}
Output
                 program29.exe
Enter a number: 5
The square of the number 5 is 25.
30) Multilevel Inheritance
Code
using System;
namespace CSharpPrograms {
     class A {
          public String name;
          public void getName() {
               Console.Write("Enter your name: ");
               name = Console.ReadLine();
               Console.WriteLine("Your name is {0}.\n", name);
          }
     }
     class B : A {
          public String location;
          public void getLocation() {
               Console.Write("Enter your location: ");
               location = Console.ReadLine();
               Console.WriteLine("Your location is {0}.\n",
location);
     }
     class C : B {
          public int age;
          public void getAge() {
               Console.Write("Enter your age: ");
```

```
Yash program30.exe
Enter your name: Yash
Your name is Yash.

Enter your location: Vikhroli
Your location is Vikhroli.

Enter your age: 19
Your age is 19.
```

31) Method Overloading/Polymorphism

```
using System;
namespace CSharpPrograms {
     class MethodOverloading {
          public void area(int s) {
               Console.WriteLine("The area of the square with side
\{0\} is \{1\}.", s, (s * s);
          public void area(int l, int b) {
               Console.WriteLine("The area of the rectangle with
length {0} and breadth {1} is {2}.", l, b, (l * b));
          public void area(double r) {
               const double pi = 3.14;
               Console.WriteLine("The area of the circle with radius
{0} is {1}.", r, (pi * (r * r)));
          static void Main(string[] args) {
               MethodOverloading m = new MethodOverloading();
               m.area(10);
               m.area(10, 12);
               m.area(10.0);
          }
     }
}
```

```
Yash program31.exe

The area of the square with side 10 is 100.

The area of the rectangle with length 10 and breadth 12 is 120.

The area of the circle with radius 10 is 314.
```

32) Exception Handling

```
Code
```

```
using System;

namespace CSharpPrograms {
    class ExceptionHandling {
        static void Main(string[] args) {
            int n = 5, d = 0;
            try {
                int ans = n / d;
                Console.WriteLine("The answer is {0}.", ans);
            }
            catch (Exception e) {
                Console.WriteLine(e);
            }
        }
    }
}
```

Output

```
Yash program32.exe

System.DivideByZeroException: Attempted to divide by zero.

at CSharpPrograms.ExceptionHandling.Main(String[] args)
```

33) Multiple Exception Handling

```
Yash Cf program33.exe
Enter the numerator: 10
Enter the denominator: 5
The answer is 2.

Yash Cf program33.exe
Enter the numerator: 10
Enter the denominator: 0
Division by zero is not possible!
System.DivideByZeroException: Attempted to divide by zero.
    at CSharpPrograms.MulExceptHandling.Main(String[] args)

Yash Cf program33.exe
Enter the numerator: 10
Enter the denominator: Hello

Unhandled Exception: System.FormatException: Input string was not in a correct format.
    at System.Number.StringToNumber(String str, NumberStyles options, NumberBufferö number, NumberFormatInfo info, Boolean parseDecimal)
    at System.Number.ParseInt32(String s, NumberStyles style, NumberFormatInfo info)
    at CSharpPrograms.MulExceptHandling.Main(String[] args)
```