

# C# Error: Class does not contain a constructor that takes arguments

## [Solved] C# Error: Class does not contain a constructor that takes arguments

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This is a build error in C#. This error "ClassName does not contain a constructor that takes N arguments" is thrown when you do not write a constructor that accepts those number of arguments you sent while creating the object.

### Example

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Let us recreate a scenario in which we do not define any constructor but tried to create an object with values passed as arguments.

### Program.cs

```
using System;

namespace CSharpExamples {
    class Book{
        public string author;
        public string title;

        public void printBookDetails(){
            Console.WriteLine("\n---Book Details---\n=====");
            Console.WriteLine("Title : "+title);
            Console.WriteLine("Author : "+author);
        }
    }
    class Program {
        static void Main(string[] args) {
            Book book1 = new Book("C# Tutorial", "TutorialKart");
            book1.printBookDetails();
        }
    }
}
```

### Output

```
Program.cs(16,30): error CS1729: 'Book' does not contain a constructor that takes 2 argu
Program.cs(6,23): warning CS0649: Field 'Book.title' is never assigned to, and will alwa
Program.cs(5,23): warning CS0649: Field 'Book.author' is never assigned to, and will alw
```

The build failed. Please fix the build errors and run again.

## Solution

For this to work out we need to either add a constructor to class `Book` that takes `2` arguments or create `book1` object with no arguments.

```
using System;

namespace CSharpExamples {
    class Book{
        public string author;
        public string title;

        public Book(string Title, string Author){
            title = Title;
            author = Author;
        }

        public void printBookDetails(){
            Console.WriteLine("\n---Book Details---\n=====");
            Console.WriteLine("Title : "+title);
            Console.WriteLine("Author : "+author);
        }
    }
    class Program {
        static void Main(string[] args) {
            Book book1 = new Book("C# Tutorial", "TutorialKart");
            book1.printBookDetails();
        }
    }
}
```

## Output

```
---Book Details---
=====
Title : C# Tutorial
Author : TutorialKart
```

## Conclusion

In this [C# Tutorial](#), we learned how to fix C# Error: "Class does not contain a constructor that takes arguments".

## C# Tutorial

◆ C# Tutorial

- ◆ C# Basic Example
- ◆ C# Comments
- ◆ C# Variables
- ◆ C# Constants
- ◆ C# if, if-else
- ◆ C# switch
- ◆ C# while loop
- ◆ C# for loop
- ◆ C# foreach
- ◆ C# break
- ◆ C# continue
- ◆ C# struct
- ◆ C# enum
- ◆ C# String
- ◆ C# Array
- ◆ C# Command Line Arguments

### **C# Console Operations**

- ◆ C# Write to Console
- ◆ C# Read from Console

### **C# Object Oriented Programming Concepts**

- ◆ C# Class & Constructors
- ◆ C# Encapsulation
- ◆ C# Polymorphism
- ◆ C# Method Overloading
- ◆ C# Interfaces

### **C# String Operations**

- ◆ C# String Length
- ◆ C# Substring

### **C# File Operations**

◆ C# Read Text File

◆ C# Write to File

◆ C# Delete File

◆ C# Copy File

## C# Exception Handling

◆ C# try-catch

◆ C# finally

◆ C# throw

◆ C# Custom Exception

◆ C# SystemException

◆ C# DivideByZeroException

◆ C# NullReferenceException

◆ C# InvalidCastException

◆ C# IOException

◆ C# FieldAccessException

## C# Collections

◆ C# List

◆ C# SortedList

◆ C# HashSet

◆ C# SortedSet

◆ C# Stack

◆ C# Queue

◆ C# LinkedList

◆ C# Dictionary

◆ C# SortedDictionary

## C# Errors [Solved]

⇒ C# Error: Class does not contain a constructor that takes arguments