A Comparison of C# Programming Exercises

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**Abstract**

C-Sharp, which is developed by Microsoft, is the most popular multipurpose programming language that runs on .NET Framework. It is a widely used language for Windows desktop applications and services, web applications, mobile development, and gaming. This paper summarizes the comparison of programming exercises on C# providing by the City University of Seattle for 2021 Computer Science students. The comparison covers ten programming exercises from each chapter including C# Language and .NET Framework, Variables and Arrays, Numeric Operators and Routines, Methods and Scope, Conditional Structure and Loops, String Manipulation, Date and Time Handling, Object-Oriented Programming, Inheritance, and lastly Generics Types and Class. The possible conclusion would be forwarded based on the outcome of each programming exercise, and limitations and challenges will be discussed.