SmallSEOTools

PLAGIARISM SCAN REPORT

Words	352	Date	June 12,2021
Characters	2278	Excluded URL	

0%	100%	0	16
Plagiarism	Unique	Plagiarized Sentences	Unique Sentences

Content Checked For Plagiarism

Dynamic Polymorphism
Dynamic polymorphism is a process in which a call to an overridden method is resolved at runtime and because of this, we call it as a runtime polymorphism. Method Overriding is one of the ways to achieve Dynamic Polymorphism in java. Also, there is no operator overloading in Java. In any OOP language, Overriding is a feature which allows a child class to provide a specific implementation of a method(function) that is already provided by one of its super-classes or parent classes.
Output:
Polymorphism in C++
Basically in C++ polymorphism is divided into two types:
• Compile time Polymorphism
• Runtime Polymorphism
Compile time polymorphism: Compile time polymorphism can be achieved with the help of function overloading or operator overloading.
· Function Overloading: When there are more than one functions with same name but have different parameters then these functions are said to be overloaded. Functions are often overloaded by changing the number of arguments or/and in type of arguments.
Output:
· Operator Overloading: In C++ we can also achieve compile time polymorphism by overloading operators. For example, we can make use of the operator + for string class to concatenate two strings. We know that this is the addition operator which is used to add two operands. So this single operator '+' when we placed between integer operands it adds them and when we placed between string operands it concatenates them.
Output:
Runtime Polymorphism: Runtime polymorphism is the type of polymorphism which is achieved with the help of Function Overriding.
· Function overriding : If the derived class defines same function as it was defined in its base class, then we can call this a function overriding. Function overriding is used to achieve runtime polymorphism.
Output:
Thus, in this blog we looked at the concept of Polymorphism through two different lenses, Java & C++. We looked at Static & Dynamic polymorphism, and later also looked at Runtime & Compile time polymorphism. It is fair to conclude from this that polymorphism is an incredibly useful part of a programmer's toolkit, which would help them to write clean & efficient code.

Sources	Similarity