Polymorphism

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* Polymorphism is considered one of the important features of Object-Oriented Programming.

* polymorphism allows us to perform a single

action en difforent ways.

A In obtrevoords, polymorphism allows you to debuil one interface and have multiple implementations.

implementations.

* The word "Poly" means many and "morphe" moans fromms, so it means many froms.

Nead of Polymorphism:

* Polymorphism allows us to use inheritance, overvioling, and over loading to streamline overvioling, and over loading to streamline code for easy acadability and faster nuntimes we can use the specific of compile time and runtime polymorphism to maximin tais and runtime polymorphism to maximin tais

Types of Java Polymorphism:

* compile-time Polymorphism: It is also known as static polymorphism. This type of polymorphism is achieved by function over Coaching on operator overloading.

Premime polymorphym: It is also known as Dynamic Method Dispatch. It is a process Dynamic Method Dispatch. It is a process in which a function call to the overvidles method is resolved at Reinfime. This type of polymorphism is acheived by function of polymorphism is acheived by function

Method ovorloading

Name but different parameters then these functions are said to be overloaded.

remobions can be overloaded by changes in the number of arguments or a change in the type of arguments.

Method Overbiding

*Method overviding, occurs when a derived class has a definition for me of the member class has a definition for me of the member functions of the base class. That base function is said to be overvidden.