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Java Keywords – Table Format

| Keyword | Explanation |
|------------|---|
| abstract | Used with classes or methods. An abstract class cannot be instantiated. Abstract methods must be implemented by subclasses. |
| class | Used to declare a class. A class is a blueprint for objects. It contains variables and methods. |
| extends | Used by a subclass to inherit another class. Supports single inheritance. Reuses code. |
| import | Used to access classes from other packages. Helps organize code. Avoids full class names. |
| const | Reserved keyword in Java but not used. Final is used instead. Causes compile-time error if used. |
| final | Restricts modification. Final variables cannot change. Final methods cannot be overridden. |
| catch | Handles exceptions. Used after try block. Prevents program crash. |
| continue | Skips current loop iteration. Control goes to next iteration. Used inside loops. |
| break | Terminates loop or switch. Stops execution immediately. Control moves outside. |
| implements | Used by a class to implement an interface. Must define all methods. Supports multiple inheritance. |
| interface | Used for abstraction. Contains abstract methods. Implemented by classes. |
| package | Groups related classes and interfaces. |

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| | Avoids naming conflicts. Improves organization. |
| super | Refers to parent class object. Calls parent constructor or methods. Accesses overridden members. |
| throw | Used to explicitly throw an exception. Can throw custom or built-in exceptions. |
| new | Creates objects. Allocates memory at runtime. Calls constructor. |
| public | Access modifier. Accessible from anywhere. Least restrictive. |
| this | Refers to current object. Differentiates instance variables. Calls current class constructor. |
| try | Wraps risky code. Must be followed by catch or finally. Handles exceptions safely. |
| finally | Always executes after try-catch. Used for cleanup code. Runs even if exception occurs. |
| protected | Accessible within same package or subclasses. More restrictive than public. |
| static | Belongs to class not object. Shared among all objects. No need to create object. |
| short | 16-bit integer data type. Range: -32,768 to 32,767. |
| long | 64-bit integer data type. Used for large values. |