Inheritance: > The beoperty by virtue of which a child class can use the data from the barent class, on top of the existing data inside itself, is called inheritance. The benifit is "Code Reusability"

Types: Osingle Level (1) bierarchical 11 Multi Level V Bybrid We use the "extends " keywood in Java. 1) Animal P Simple Calculation LI Cat Pog Rat c Laddition Advance Calculation Consultiplication Super Advanced Calculator ) 13 Subtraction, division SAC obj = new SAC(); 069° = 3 m \* Java doesn't subject Multiple Inheritance directly. Why? - ) We cannot extend multiple classes. We use Interfaces. \* Can we extend multiple classes in Java? classes A, B, C - No class C extends A, B { Abstraction: > 1 Abstract Classes & Methods

(1) Interfaces -> (100%)

Functionality Showing -> what is done
Implementation Hiding -> How it is done Hiding the implementation details & only showing the functionality to the "end user" is call ed data abstraction. It is important for better user experience and customer satisfaction. Poly Polymosshism: ->
(Latin Word) + Mooth Forms Shapes Many [ Jeevika ] Role changes but the entity remains same. Sclass -> student
Restaurant -> Customer
Home -> Daughter 1) Static | Compile time Overloading (Same Class Over riding Different Classes 1) Dynamic | Run time Annotation a Everside HDFC -> 8 - CI 3 diff
10BI -> 8.5 - CI 3 diff
1CICI -> 9 - CI 3 function()ovaride ? toString() > Workper class javat point Ww3shools. Telurko

Naven

Naven

Reddy

Wraffer Classes 

Double

Character Exception Handling Shreekanth ~ Collège Building Anything that disturbs / disrupts the noomal flow of code execution is called an exception.

The process of handling exceptions is Eneftion Handling. Ihrowable > Runtine J → Object Exceptions Errors y compile time herked -> known GTA -> 16 GB RAM unchecked - unknown 8 GB - Out of Memory Y custom / UDExceptions Python exalt: catch () { catch \* No finally finally 5 finall of : try, catch, throw, throws, finally, Throwable. → multi-catch block → Java 8 oatch ( Ex 1 | Ex 2 | Ex 3 bj) { cuton menage; Instance Initializer Block o » Ecliple IDE for 1,2,3,4,5,6,7,8 J,A,M Devs Azme Azme postal -> 30 days free account der azure vom credit / debit = 2 fill a form : Forday