→ Inheritance ⇒   is-a relationship   →Super Class

male is a Human.

child← female is a Human.
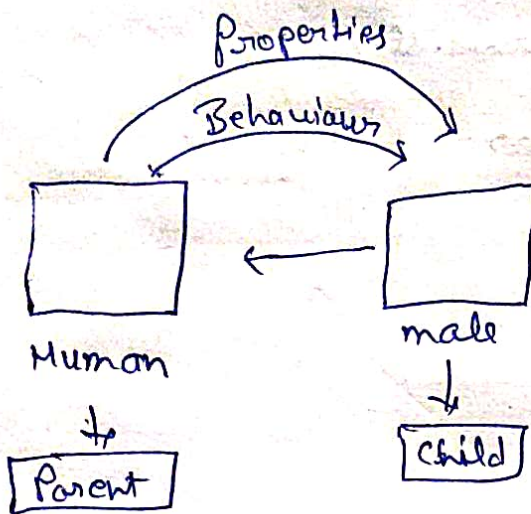
Parent Class /super

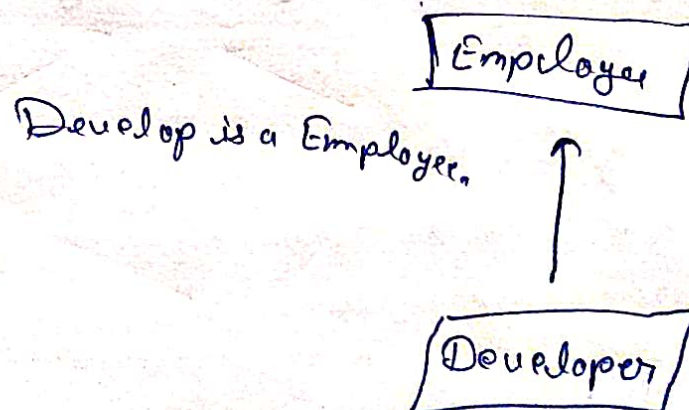↓

Child Class /sub

Properties

Behaviour

Human
+
Parent

male
↓
child

Advantages:-

↳ Reusability.

Types :-

1. Single
2. Multilevel
3. Hierarchial

Ⓘ Single:-

Develop is a Employer.

Employer

↑

Developer

② multi level

Car

↑

mahindra

↑

Scorpio.

parent [ ]

↑

Child [ ]

Parent

↑

Child [ ]

③ Heirarchical

parent [ ] Employee

↗ ↖

child [ ] Intern
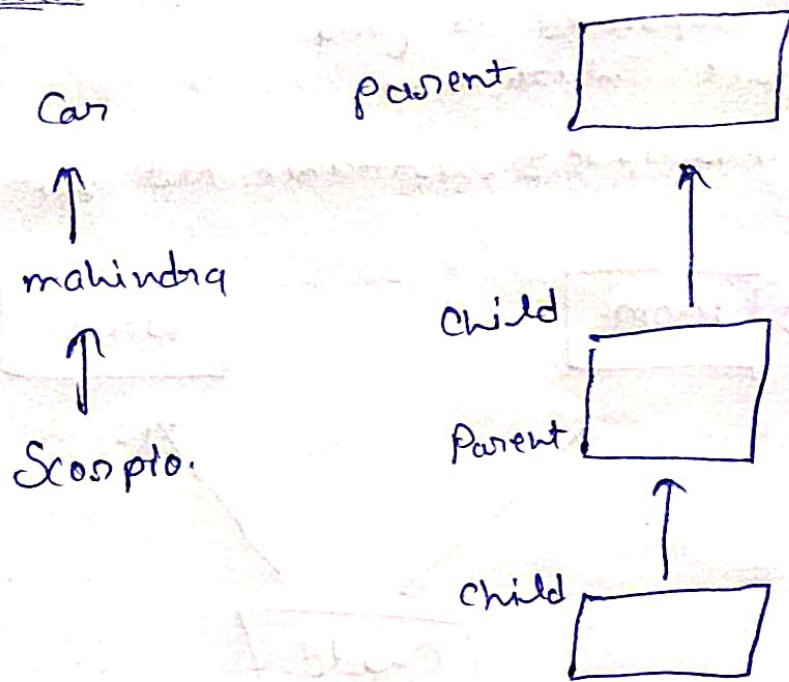
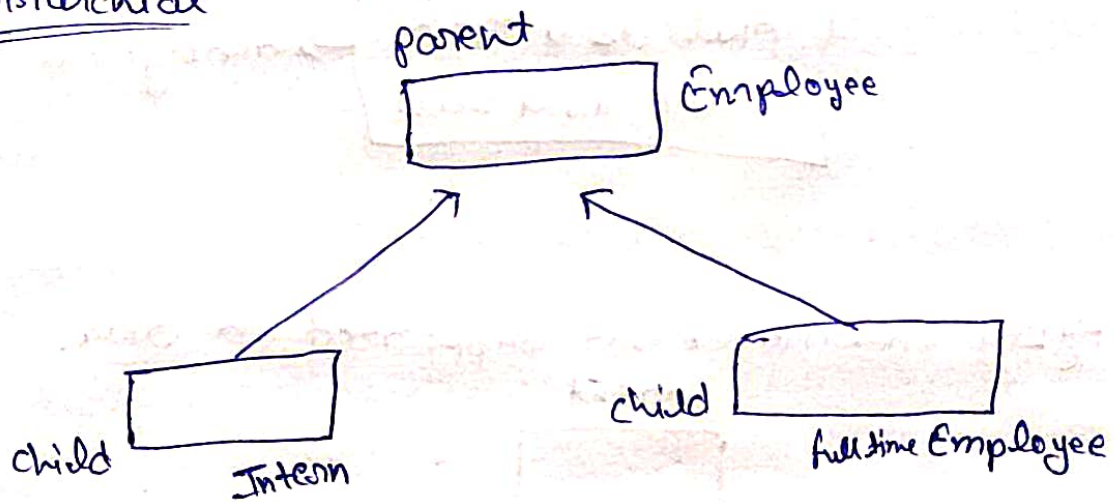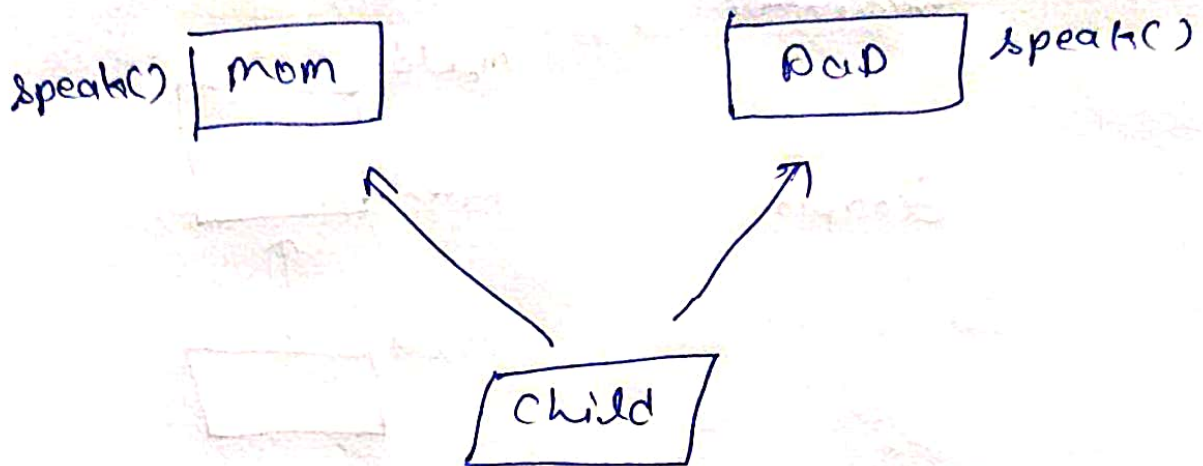child [ ] full time Employee

Intern is a Employee.
full time Employee is a Employee.

✗ not supported in java
⇒ Multiple Inheritance

why multiple Inheritance not supported in java

speak() | Mom | | Dad | speak()

                    | Child |

| child is a Mom → ambiguous
| Child is a Dad |

⇒ Hybrid Inheritance Not supported in Java.

                    parent
                    [   ]

child   child
[   ]   [   ]
parent   parent

                    [   ]
                    child.