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Dependency Injection & USES-A Relation in Java

=> Dependency Injection :-

-> DI is the concept in which objects gets the other required objects from outside entity

-> The process of injecting or inserting dependent(contained) object into the container object is known as Dependency Injection

-> NEED :- While programming, java classes should be as minimum dependent as possible on each other. By this we will increase the possibility of reusing these classes and to be able to test them independently

-> TYPES OF DEPENDENCY INJECTION :-

1. Constructor Dependency Injection
2. Setter Method Dependency Injection

=> Circular Dependency Injection :-

-> It is the process of depending two objects in circular form i.e. first object is dependent on second object and second object is dependent on first object

-> Circular DI can be achieved by setter method dependency injection but not in case of constructor dependency injection

=> USES-A Relationship (Dependence)

-> USES-A relationship is one in which a method of one class is using an object of another class

-> For example : Transaction Uses Account to deposit() the amount

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