



# ممم جداً

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20٪ مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

يجب عليك مشاهدة فيديو الدرس كاملا

لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع لا تنسونا من دعائكم

**ProgrammingAdvices.com** 

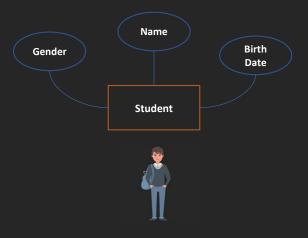
**Mohammed Abu-Hadhoud** 





#### Attribute

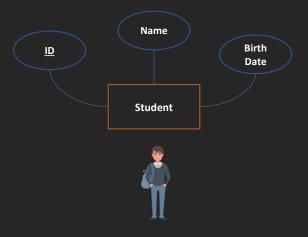
- An attribute exhibits the properties of an entity.
- You can illustrate an attribute with an oval shape in an ER diagram.





## Key Attribute

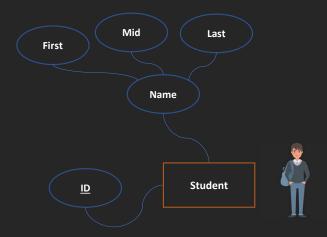
- Key attribute uniquely identifies an entity from an entity set.
- It <u>underlines</u> the text of a key attribute.
- For example: For a student entity, the ID can uniquely identify a student from a set of students.





## Composite Attribute

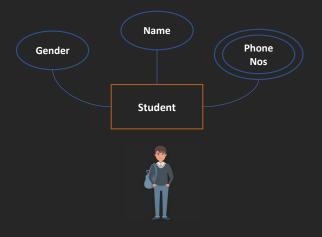
- An attribute that is composed of several other attributes is known as a composite attribute.
- An oval showcases the composite attribute, and the composite attribute oval is further connected with other ovals.





#### Multivalued Attribute

- Some attributes can possess over one value, those attributes are called multivalued attributes.
- The double oval shape is used to represent a multivalued attribute.





#### Derived Attribute

- An attribute that can be derived from other attributes of the entity is known as a derived attribute.
- In the ER diagram, the dashed oval represents the derived attribute.

