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قال تعالي :

(ويسألونك عن الروح قُل الروح مِن أمر ربي وما أوتيتم مِن العِلمِ إلا قَلِيلًا)

سورةالإسراء الآية 85

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Abstract

Data integration is becoming an important issue for organizations in the recent years, so as to allow these organizations cooperate and exchange information with each other.

Unfortunately; there are many conflicts which prevent the data integration. One of the possible solutions to this problem is integration of the different component databases for building a global unified schema.

Schema integration is an approach to overcome all these conflicts and achieve data integration. This study will survey the conflicts that occur in different component schemas and resolve these conflicts then it concentrates on attribute entity conflict which represented the research problem. In addition to it explains schema integration process in multidatabase systems.

This work will propose a mechanism to resolve attribute entity conflict and support the solution with explanation example and it investigates a common approaches which are use to resolve the attribute entity conflict then it explains these solutions with explanation examples. Finally this thesis presents a comparative analysis of common approaches which are used to resolve attribute entity conflict according to many criteria.

الخلاصة

تكامل البيانات أصبحت قضية هامة للمؤسسات في السنوات الحديثة وذلك لكيي تمكن من عملية التعاون وتبادل المعلومات بين هذه للمؤسسات. لكن هنالك الكثير من مشاكل التضارب المختلفة ألتي تعيق تكامل هذه البيانات.

أحد الحلول الممكنة لهذه المشكلة هي عملية التكامل لمكونات قواعد البيانات المختلفة وانشاء المخطط التكاملي المخطط التكاملي هو الذي له المقدرة للتغلب علي جميع هذه المشاكل وأنجاز عملية تكامل البياناتز

في هذه الدراسة أجرينا عملية بحث عن مشاكل التضارب في المخطط التكاملي لقواعد البيانات المتعددة وكيفية حل هذه المشاكل مع التركيز علي مشكلة البحث المتمثلة في حل التضارب الذي يحدث بين الكينونة والخاصية.

في هذه الدراسة أقترحنا آلية لحل هذه المشكلة و دعمنا عملية الحل بمثال توضيحي ثم بحثنا عن معظم النظريات ألتي أستخدمت في حل مشكلة التضارب بين الخاصية والكينونة ثم وأوضحنا هذه الحلول بالأمثلة التوضيحية.وأخيراً قدمنا مقارنة تحليلية لأشهر النظريات ألتي أستخدمت في حل التضارب بين الخاصية والكينونة وفقاً لمعايير متعددة.

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