***One to One Realtionship (xiriirka 1:1)***

**one to one relationship waa xiriir uu dhexeya labo miis [ ama labo shay] oo midksataba xidhiidh la leyahay Hal miis ama [one table] ah, taas oo ka dhigan in midkataba uu ka in uu la xidhidhayo Hal table oo ku jira ka kale ka kalana uu isna la xidhiidhayo hal table oo ka labaad ku jira**

tusaale

***Arday student***

\*\_STUDENTID :INT4

\_StudentName :varchar(50)

***Ardayda studentidcard***

\_Cardname:Varchar (50)

#\_ StudenTID: int4

**sharaxaad**

* student kasta waxa uu leeyhay hal ID oo uu gaar ahy
* tabllka cardID waxa uu ku soo xidhmayaa tableka studentID
* student ID tableka koobaad waxa uu ka noqonyaa primary key ,xaga uu tableka cardiID
* uu ka noqonayo foreing key sababto ah wax dib ugu soo noqonaya ID oo laba mar ku soo noqonayaa labAda tabelba xidhiidhkaa waxa loo yaqana one to one relational( DBMS)
* CARDID waxa uu ku soo xidhmayaa Student Id sabaabtoo ah ka lagu bilabyo ayaa mar walba lagu soo xidhaa

***One To Many Realtionship (xiriirka 1:many ah)***

***qeexid***

one to many Realtionship waa xiriir uu dhexeyaa laba miis (two table) tal duwaan oo kujra tableka koobaad ( parent table) waxa uu xidhiidh la yeelan karaa dhawar duwaan

/ dhawr table oo kla duduwan oo ku jira tableka labaad es ( chidern table) tusale ahan Hal parent waxa uu yeelan karaa dhawr child . lkn child kasta waxa uu yealan karaa hal parent oo kaliya

tusaale ahan

***FAMLIY TABLE Parent***

\_parentID :INT4

#\_ParentName :varcher(80)

***Famiy table chidID***

\_ID

\_CHildID :int (1)

#\_CHildName varchar 80)

***SHARAXAAD***

* **Tabelkasata oo parent waxaa uu leeyahay hal ID oo uu gaara**
* **Tableka chidID waxa uu ku soo xidhan yahay tabelka parentID sabaabtoo ah tablekasta wax ku jira wax ay iskga mid yihin taa ayaa go aminaysa in ay isku soo xidhmaan .**
* **Parenta table ka koobaad waxa uu ka noqon kara primary ID, xaga uu tableka labaad uu ka noqonyo foreing key sabaabtoo ah IDgaaya soo noqniqnayaa sabaabtaa ataa loo yidhi MSQL uu tidhi foreing key.**
* **Parent kasta waxa uu leeyahay chid faro badan ,xaga chid kasta uu yeelan karo hal parent**
* **CHILD ID ayaa ku soo xidhmayaa ParentID taas oo ay ka dhigan thay iin lagu bilabayo mar walba tableka Parent ID**

***Many to many relationship { xiriiir N :N]***

***QEEXID***

MANY TO MANY RELETIONSHIP WAA XIIDHIIDJH UU DHERXEEYA LABA miis oo midkasaba yeelan karo dhawar table oo kala duduwan oo ku jira tablelo kale tani waxa ay ka dhigan tahahy in hal diwaan oo ku jira table A uu la xiidhiidhi karo TABLE B sidoo kale diwankasta oo table B waxa uu la xidhiidhi karaa dhawr table oo A ku jira.

*tusaale*

***Iskuul:stuident***

\_ StudentID : int (4)

\_#studentName :varchar (65)

*Iskuul subjetID*

\_subjectID INT (1)

\_SUBJECT Name :varchar (65)

#\_studentID:int (4)

#\_teacherID :int (4)

***ISKuul Teacher***

\_teacherID int(4)

#\_TeacherName :varchar (65)

***sharaxaad***

* ***student kasta waxa u yeeln karaa hal ID oo gaara***
* ***arday kastaa waxa uu qaadan karaa madooyin badan***
* ***macalinkasta waxa uu dhigii karaa labo maado***
* ***maado kasta waxay qadan kartaa arday badan***
* ***waxa loo samayn karaa wax uu dhexeya { junction table} oo isku xidha studentid iyo subject id***
* ***studenta ID tableka koobaad waxa uu ka noqdaa primar key xaga uu tableka subject ID uu ka noqanayo foreing key sabaabtoo ah subject kastaa wiuu soo noqnoqanayaa***
* ***subjectID waxa uu ku soo xidhmayaa Student ID taas oo macnheedu yhay in mar walba lagu bilabayo studentID xeerkan ayaa loo yaqanaa many to many***