# PHASE I requirements:

1) TUNAHAN ELUZ – KUTAY OLGUS

2) Gestation statistics. It can be very helpful for hospitals and some parents who will have children or who are willing to have a children.

https://drive.google.com/drive/folders/0B4vjJz9DRvExTHZlU05zaU9TQ2s?usp=sharing

3) **10 QUESTIONS**

1. What is the proportion between the premature births from the mothers who smoke to non-smokers?

2. What is the approximate annual income of the families that graduated from the university?

3. What is the proportion of the extramarital births?

4. How many percent of couples are interracial?

5. What is the proportion of the premature births given by the mother who gives more than 5 times to the others?

6. Can you align the 10 babies who have the longest pregnancy from the top weight to the down?

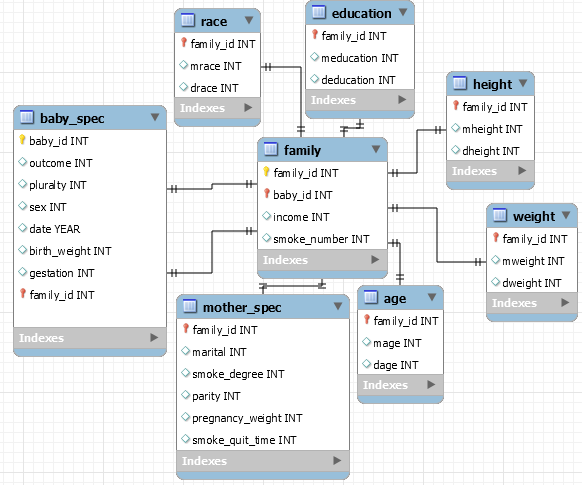
7. Can you compare normal weight and the pregnancy weight of mother?

8. Can you find the baby`s race according to father and mother`s race? (Show them all in a query. And order them by descending.)

9. Show the income depending on father`s education.(Show them both in a query. And order them by descending.)

10. Show mothers pregnancy weight according to baby`s birth\_weight. (Show them both in a query. And order them by descending.)

4)



5) **10 QUESTIONS SQL**

*1-*

*create\_view smoking\_mother\_gestation as*

*select count(smoke\_degree) as var1*

*from mother\_spec join family on (family.family\_id = mother\_spec.family\_id)*

*where smoke\_degree=1 and family.baby\_id in(*

*select baby\_id*

*from baby\_spec*

*where gestation < 252);*

*create\_view not\_smoking\_mother\_gestation as*

*select count(smoke\_degree) as var2*

*from mother\_spec join family on (family.family\_id = mother\_spec.family\_id)*

*where smoke\_degree!=1 and family.baby\_id in(*

*select baby\_id*

*from baby\_spec*

*where gestation < 252);*

*select smoking\_mother\_gestation.var1/not\_smoking\_mother\_gestation.var2*

*from smoking\_mother\_gestation join not\_smoking\_mother\_gestation;*

*2-*

*select avg(income)*

*from family join education on ( family.family\_id = education.family\_id)*

*where meducation = 5 and deducation = 5 ;*

*3-*

*create view not\_married as*

*select count(marital) as var1*

*from mother\_spec*

*where marital=1 ;*

*create view total\_mother as*

*select count(marital) as var2*

*from mother\_spec ;*

*select not\_married.var1 \* 100 / total\_mother.var2*

*from not\_married join total\_mother*

*4-*

*create view interracial\_couples as*

*select count(family\_id) as var1*

*from race*

*where mrace != drace ;*

*create view couples as*

*select count (family\_id) as var2*

*from race;*

*select interracial\_couples.var1 \* 100 / couples.var2*

*from interracial\_couples join couples ;*

*5-*

*create view 5more\_pregnancy as*

*select count(family\_id) as var1*

*from mother\_spec join family on (mother\_spec.family\_id = family.family\_id)*

*where parity >= 5 and family.baby\_id in (*

*select baby\_id*

*from baby\_spec*

*where gestation < 252);*

*create view 5less\_pregnancy as*

*select count(family\_id) as var2*

*from mother\_spec join family on (mother\_spec.family\_id = family.family\_id)*

*where parity <= 5 and family.baby\_id in (*

*select baby\_id*

*from baby\_spec*

*where gestation < 252);*

*select 5more\_pregnancy.var1 / 5less\_pregnancy.var2*

*from 5more\_pregnancy join 5less\_pregnancy ;*

*6-*

*select \**

*from*

*(select birth\_weight , gestation*

*from baby\_spec*

*order by gestation desc*

*limit 10*

*) as sort*

*order by birth\_weight desc ;*

*7-*

*select pregnancy weight , mweight*

*from mother\_spec join family on(mother\_spec.family\_id = family.family\_id)*

*where family.family\_id in (*

*select family\_id*

*from weight)*

*order by pregnancy\_weight asc*

*limit 10;*

*8-*

*select smoke\_degree , birth\_weight*

*from mother\_spec join family on (mother\_spec.family\_id = family.family\_id)*

*where smoke\_degree = 1 and family.baby\_id in (*

*select baby\_id*

*from baby\_spec)*

*order by birth\_weight desc*

*limit 10;*

*9-*

*select income , deducation*

*from family join education on ( family.family\_id = education.family\_id)*

*order by income desc*

*limit 10;*

*10-*

*select pregnancy\_weight , birth\_weight*

*from mother\_spec join family on (mother\_spec.family\_id = family.family\_id)*

*where family.baby\_id in (*

*select baby\_id*

*from baby\_spec)*

*order by birth\_weight desc*

*limit 10*;

6) We will load our database from csv file to mysql-workbench by using sql commands and workbench user interface. We are not planning to share our database throughout a web site.

7) We are not going to prepare a graphical user interface for our database project.

8) Intel core i5 4300u processor with AMD r5 m230 graphics card laptop which is using Mysql 6.3 workbench.