QUERIES:

BASED ON PARENTS EDUCATION

1.How many students completed the test whose parents have a masters or bachelors degree?

{ "test preparation course":"completed" , $or: [ { "parental level of education": "master's degree" }, { "parental level of education": "bachelor's degree" } ] }

Res: 66 students

2.Students who completed the test whose parents have only a high school degree

{ "test preparation course":"completed" , $or: [ { "parental level of education": "high school" }, { "parental level of education": "some high school" } ] }

Res: 133

3.Number of Female students who completed the test whose parents only have high school degree

{gender: 'female','test preparation course': 'completed',$or: [{ 'parental level of education': 'high school'},{ 'parental level of education': 'some high school'}]}

Res:64

4. Number of Male students who completed the test whose parents only have high school degree

{gender: 'male','test preparation course': 'completed',$or: [{ 'parental level of education': 'high school'},{ 'parental level of education': 'some high school'}]}

Res:69

5. .How many male students completed the test whose parents have a masters or bachelors degree?

{gender: 'male','test preparation course': 'completed',$or: [{ 'parental level of education': " master's degree "},{ 'parental level of education': "bachelor's degree"}]}

Res:24

6. .How many female students completed the test whose parents have a masters or bachelors degree?

{gender: 'female','test preparation course': 'completed',$or: [{ 'parental level of education': " master's degree "},{ 'parental level of education': "bachelor's degree"}]}

Res:22

7.How many female students scored above 60 for math whose parents have bachelors or masters degree

{ gender: "female" , "math score": {$gt: "60" },"test preparation course":"completed" , $or: [ { "parental level of education": "master's degree" }, { "parental level of education": "bachelor's degree" } ] }

Res:60

8.Students who have math score , reading score and writing score greater than 70

{"math score": { $gt : "70" },"reading score": {$gt : "70"},"writing score" : { $gt : "70"} }

Res:283

9. Students who have math score , reading score and writing score greater than 70 whose parents have only high school degree

{"math score": { $gt : "70" },"reading score": {$gt : "70"},"writing score" : { $gt : "70"},$or: [ { "parental level of education": "high school" }, { "parental level of education": "some high school" } ] }

Res: 80

10. Students who have math score , reading score and writing score greater than 70 whose parents have master /bachelors

{"math score": { $gt : "70" },"reading score": {$gt : "70"},"writing score" : { $gt : "70"},$or: [ { "parental level of education": "master's degree" }, { "parental level of education": "bachelor's degree" } ] }

Res:61

11.Students who have scored more than 80 who have completed the test preparation course

{"test preparation course":"completed","math score": { $gt : "80" },"reading score": {$gt : "80"},"writing score" : { $gt : "80"}}

Res:45

12. .Students who have scored more than 80 who have not completed the test preparation course

{"test preparation course":"none","math score": { $gt : "80" },"reading score": {$gt : "80"},"writing score" : { $gt : "80"}}

Res:42

13. .Students who have scored less than 50 who have completed the test preparation course

{"test preparation course":"completed","math score": { $lt : "50" },"reading score": {$lt : "50"},"writing score" : { $lt : "50"}}

Res:9

14. Students who have scored less than 50 who have not completed the test preparation course

{"test preparation course":"none","math score": { $lt : "50" },"reading score": {$lt : "50"},"writing score" : { $lt : "50"}}

Res:48

15. Type of lunch of female students

{“gender”:”female”} 🡪 analyze schema to get percentage

16.Can we determine the lunch type by the race/ethnicity

Text

Description automatically generated

Not really every type of group has both types of lunch , however we can check the percentage of the type of lunch of each group to go deeper

17.Students who have math score between 80 to 95

{$and: [{ 'math score': { $lte: '95' }},{ 'math score': { $gte: '80' }}]}

Res:171

18.Students who have reading score between 80 to 95

{$and: [{ "reading score": { $lte: '95' }},{ "reading score": { $gte: '80' }}]}

Res:220

19.Students who have writing score between 80 to 95

{$and: [{ "writing score":{ $lte: '95' }},{ "writing score": { $gte: '80' }}]}

Res:204

20.What are the two distinct lunch types

Text

Description automatically generated

21. Compare the total math score of two genders

Text

Description automatically generated

22.Average of math score of two genders

Text

Description automatically generated

23.Avg of reading score

Text

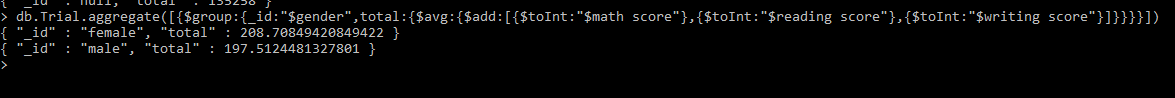
Description automatically generated

24.Avg of writing score

Text

Description automatically generated

25.Avg of all 3 for two genders?



26.Avg marks depending on race ethnicity?

