1. Retrieve the liver patients with a direct bilirubin level higher than the average direct bilirubin level for all patients.

select count (ID)

from liver\_data

where direct\_bilirubin > (select avg (direct\_bilirubin)

from liver\_data);

1. Retrieve average alkaline phosphatase level for liver patients under the age of 50

SELECT AVG(alkphos\_alkaline\_phosphatase) AS avg\_alkphos\_alkaline\_phosphatase

FROM liver\_data

where age < 50;

1. Retrieve the average age and average total proteins for each gender

Select gender, avg(age) as avg\_age, avg(total\_proteins) as avg\_proteins

FROM liver\_data

GROUP BY gender;

1. Retrieve the gender with the highest total protein level

SELECT gender, count(gender)

FROM liver\_data

Where total\_proteins in

(select max(total\_proteins)

From liver\_data)

GROUP BY gender

1. Retrieve the gender with the highest average total protein level among liver patients below the age of 50

SELECT gender

FROM your\_table\_name

WHERE age < 50

GROUP BY gender

ORDER BY AVG(total\_proteins) DESC

LIMIT 1;

1. Retrieve the gender with the highest average total bilirubin and direct bilirubin levels

SELECT gender

FROM liver\_data

GROUP BY gender

ORDER BY AVG(total\_bilirubin + direct\_bilirubin) DESC

LIMIT 1;