Perform the following queries

1. Show records of 'male' patient from 'southwest' region.

SELECT PatientID, gender FROM campusx.insurance\_data WHERE region = 'southwest'

1. Show all records having bmi in range 30 to 45 both inclusive.

SELECT \* FROM campusx.insurance\_data

WHERE bmi BETWEEN 35 AND 45

1. Show minimum and maximum bloodpressure of diabetic patient who smokes. Make column names as MinBP and MaxBP respectively.

SELECT MIN(bloodpressure) AS 'MinBP', MAX(bloodpressure) AS 'MaxBP'

FROM campusx.insurance\_data

1. Find no of unique patients who are not from southwest region.

SELECT COUNT(DISTINCT(PatientID))

FROM campusx.insurance\_data

WHERE region <> 'southwest'

1. Total claim amount from male smoker.

SELECT SUM(claim)

FROM campusx.insurance\_data

WHERE gender = 'male'

1. Select all records of south region.

SELECT \*

FROM campusx.insurance\_data

WHERE region LIKE 'south%'

1. No of patient having normal blood pressure. Normal range[90-120]

SELECT \*

FROM campusx.insurance\_data

WHERE bloodpressure BETWEEN 90 AND 120

1. No of patients below 17 years of age having normal blood pressure as per below formula -

- BP normal range = 80+(age in years × 2) to 100 + (age in years × 2)

SELECT COUNT(\*) FROM campusx.insurance\_data

WHERE age < 17 AND (bloodpressure BETWEEN (80 + (age \* 2)) AND (100 + (age \* 2)))

- Note: Formula taken just for practice, don't take in real sense.

1. What is the average claim amount for non-smoking female patients who are diabetic?

SELECT AVG(claim) AS 'avg\_claim'

FROM campusx.insurance\_data

WHERE gender = 'female' AND smoker = 'No' AND diabetic = 'Yes'

1. Write a SQL query to update the claim amount for the patient with PatientID = 1234 to 5000.

UPDATE campusx.insurance\_data

SET claim = 5000

WHERE PatientID = 1234

1. Write a SQL query to delete all records for patients who are smokers and have no children.

DELETE FROM campusx.insurance\_data

WHERE smoker = 'Yes' AND children = 0