DOCUMENT OF DIABETES DATASET ANALYSIS

PROJECT NAME	**DIABETES DATA ANALYSIS USING SQL**
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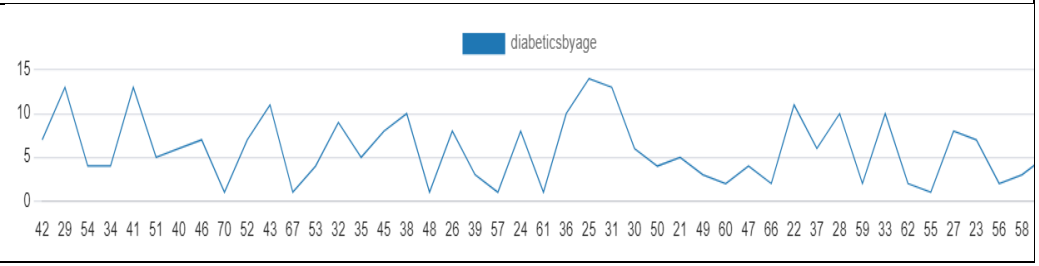
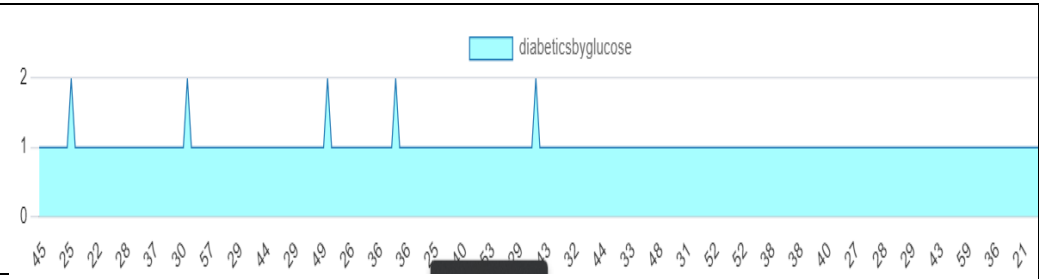
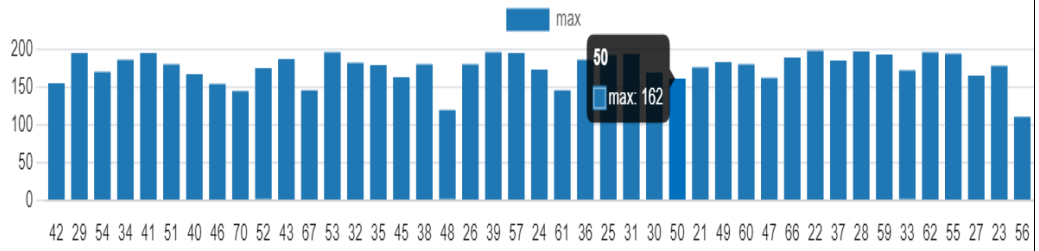
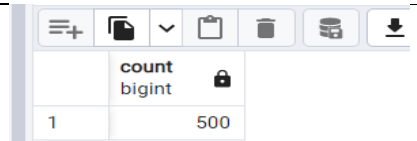
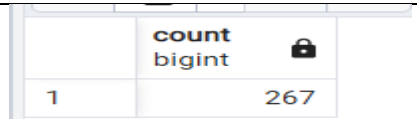
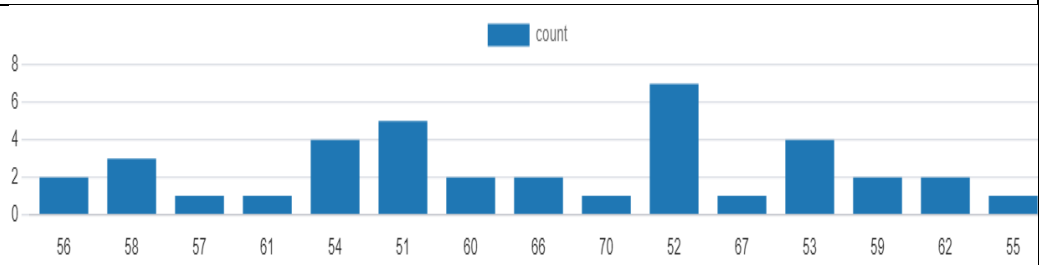
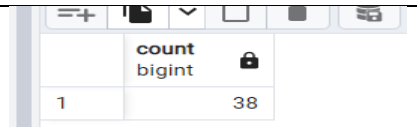
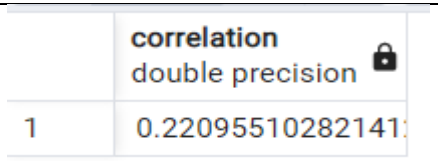
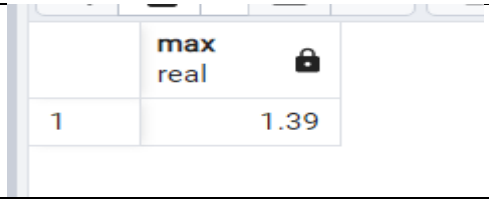
DEVELOPMENT TOOL	**PGADMIN4**

SNO	QUESTION	QUERY	OUTPUT
1.	Create table diabeties	create table diabeties2(Pregnancies int,Glucose int,BloodPressure int, SkinThickness int, Insulin int, BMI float4 , DiabetesPedigreeFunction float4, Age int, Outcome int)	Table created
2.	Copy the data from csv file	copy diabeties2 from 'C:\Users\HP\Desktop\meriskill\D1.csv' WITH csv header	Data copied
3.	Select all the rows from the table	select * from diabeties2	Returns all the rows from the table
4.	Select age and no of the persons who have diabeties	select age,count(outcome) as diabeticsbyage from diabeties2 where outcome =1 group by age	

5.	Select age,glucose level of persons who have diabetics	select age, glucose , count(outcome) as diabeticsbyglucose from diabeties2 where outcome = 1 group by age,glucose	
6.	Select max glucose acc to their age who have diabetes	select age, glucose , count(outcome) as diabeticsbyglucose from diabeties2 where outcome = 1 group by age,glucose	
7.	No of people who dosent have any diabetes	select count(outcome) from diabeties2 where outcome=0	 500
8.	No of people who have diabetes	select count(outcome) from diabeties2 where outcome=1	 267
9.	No of persons who have diabetes and their age > 50	select count(age), age from diabeties2 where outcome=1 and age>50 group by age	
10	Count of persons diabetes of whos age>50	select count(age) from diabeties2 where outcome=1 and age>50	

			38
11.	Determine correlation between Bmi and glucose	SELECT CORR(BMI,glucose) AS correlation FROM diabeties2;	
12.	Calculate the Average BMI for Patients with Diabetes	select avg(BMI) from diabeties2 where outcome=1	
13.	Calculate the Average Age of Patients	select avg(age) from diabeties2 where outcome=1	
14.	Return a row who have diabetecs , and age > 40 and insulin > 800	select * from diabeties2 where outcome=1 and age>40 and insulin>800	
15.	Return max diabetecs function od age > 40	select max(diabetespedigreefunction) from diabeties2 where outcome=1 and age>40	

16.	Return rows where bloodpressure>100 & glucose >100	select * from diabeties2 where bloodpressure > 100 and glucose >100	

	pregnancies integer	glucose integer	bloodpressure integer	skinthickness integer	insulin integer	bmi real	diabetespedigreefunction real	age integer	outcome integer
1	9	171	110	24	240	45.4	0.721	54	1
2	5	137	108	0	0	48.8	0.227	37	1
3	0	129	110	46	130	67.1	0.319	26	1
4	5	162	104	0	0	37.7	0.151	52	1
5	5	103	108	37	0	39.2	0.305	65	0
6	1	133	102	28	140	32.8	0.234	45	1
7	0	189	104	25	0	34.3	0.435	41	1
8	4	189	110	31	0	28.5	0.68	37	0
9	11	127	106	0	0	39	0.19	51	0
10	8	167	106	46	231	37.6	0.165	43	1
11	13	158	114	0	0	42.3	0.257	44	1