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UID	2024801009, 2024801003, 2024801014						
Experiment No.	3						
Aim	Data retrieval using simple SQL commands and Aggregate Functions						
Problem Statement	String Operations like%, like_, where with (<, >, <=, >=, <>), AND, OR, NOT IN, IN, BETWEEN Cartesian Product with 2 or more than 2 tables should be used. SUM, COUNT, MAX, MIN, AVG, GROUP BY and group by having clause.						
Commands							
	mysql> select * from Donor; 						
	101 Sujal Dingankar 7798802841 sujal.dingankar@spit.ac.in 0+ 20 Healthy 102 Shreeya Nemade 7698231082 shreeya.nemade@spit.ac.in A+ 19 Healthy 103 Harsha Surwase 5612798561 harsha.surwase@spit.ac.in B+ 21 Healthy 104 Avi Patil 1234598745 avinash.patil@spit.ac.in AB+ 18 Healthy 105 Shruti Bhuvad 455612345 shruti.bhuvad@spit.ac.in A+ 22 Healthy						
	5 rows in set (0.00 sec) This is Donor Table.						
	This is Dollot Table.						
	mysql> select * from Donor where email like '%dingankar%'; ++						
	id firstname lastname contact email bloodgroup Age healthstatus bloodgroup Age bloodgroup Age						
	The above SQL command will retrieve records where the 'email' attribute contains the value 'dingankar' anywhere within it.						
	mysql> select * from Donor where age >= 20; id firstname lastname contact email bloodgroup Age healthstatus						
	101 Sujal Dingankar 7798802841 sujal.dingankar@spit.ac.in 0+ 20 Healthy 103 Harsha Surwase 5612798561 harsha.surwase@spit.ac.in B+ 21 Healthy 105 Shruti Bhuvad 455612345 shruti.bhuvad@spit.ac.in A+ 22 Healthy 105 Shruti						
	This command will retrieve records where age is greater than or equal to 20						

id	firstname	lastname	contact	email	 bloodgroup	Age	healthstatus		
102	Sujal Shreeya Avi	Dingankar Nemade Patil	7698231082	sujal.dingankar@spit.ac.in shreeya.nemade@spit.ac.in avinash.patil@spit.ac.in	O+ A+ AB+	19	Healthy Healthy Healthy		
3 rows in set (0.00 sec)									

This command retrieve records where age is equal or less than 20 and their contact no not ends with 0.



This command retrieves records where the blood group has exactly one character followed by a plus sign (+).



This command retrieves records where the blood group consists of exactly one character followed by a plus sign (`+`) or where the age is between 18 and 20, inclusive.

Aggregate Function:

This query return the total no of donors present in the Donor table.

```
mysql> select avg(age) AS avg_Age from Donor;

+-----+

| avg_Age |

+-----+

| 20.0000 |

+-----+

1 row in set (0.00 sec)
```

This query return average age among the records present in the Donor table.

```
mysql> select min(age) AS min_Age from Donor;
+-----+
| min_Age |
+-----+
| 18 |
+-----+
1 row in set (0.00 sec)
```

This query returns minimum age among the records present in the Donor table.

```
mysql> select max(age) AS max_Age from Donor;
+-----+
| max_Age |
+-----+
| 22 |
+-----+
1 row in set (0.00 sec)
```

This query returns maximum age among the records present in the Donor table.

This query returns Total amount of Blood present in the records in Blood table.

Group By Clause:

This query returns no of blood donor for particular blood group.

