**Muhammad Abdullah**

**SE(4A) | 19F-0916**

DATABASE LAB

SQL QUEries

**TASK 1**

ALL QUERIES ARE IN THIS CODE:

CREATE TABLE Personnel

(

StaffID Char(9) PRIMARY KEY,

LastName char(15) not null,

FirstName char(15) not null,

Birthday char(10),

Salary int,

Department char(12) null,

);

Insert into Personnel values('1-11','Smith','Johan','12-2-1989',5000,'Account');

Insert into Personnel values('1-12','Sniha','Jish','15-6-1989',6000,'finance');

Insert into Personnel values('1-13','Dannish','Merry','12-6-1999',7800,'Account');

Insert into Personnel values('1-14','Merry','Zia','12-8-1988',3400,'Account');

Insert into Personnel values('1-15','Jon','Sunan','16-4-1986',6000,'Manufecturer');

Insert into Personnel values('1-16','Smith','hilee','14-6-1999',45000,'Account');

Insert into Personnel values('1-17','Bettica','niha','19-3-1997',3400,'Manufecturer');

Insert into Personnel values('1-18','viee','Johan','1-2-1987',5800,'Manufecturer');

Insert into Personnel values('1-19','saira','Johan','16-2-1986',5500,'Manufecturer');

Insert into Personnel values('1-20','barber','Jon','15-7-1985',5800,'Account');

Insert into Personnel values('1-21','Robert','hood','29-7-1980',5200,'finance');

Insert into Personnel values('1-22','roshan','Johan','2-3-1999',5700,'finance');

/\*TASK 1 DB Lab M.Abdullah 19F-0916 SE(4A) \*/

/\*1: Select First name, Last name of the Personnel whose salary is greater than 5000 and less than 7000\*/

Select FirstName, LastName

From Personnel

where Salary > '5000' AND Salary < '7000';

/\*2: Find total salary pay to the personnel of finance department.\*/

Select SUM(Salary) as Total\_Salary

From Personnel

where Department='finance';

/\*3: Find Personnel whose first name contains a letter A.\*/

Select \*

From Personnel

where FirstName like '%A%';

/\*4: Find the total number of personnel who are getting salary greater than 5000 \*/

Select COUNT(\*) as Total\_Number

From Personnel

where Salary > '5000';

/\*5: Find the total number of personnel who are getting salary greater than 5000 \*/

Select COUNT(\*) as Total\_Number

From Personnel

where Salary > '5000';

/\*6: Find Total salary of personnel who are getting salary greater than 55000 \*/

Select SUM(Salary) as Total\_Salary

From Personnel

where Salary > '55000';

/\*7: Find the total number of personnel who are getting salary greater than 5000 \*/

Select COUNT(\*) as Total\_Number

From Personnel

where Salary > '5000';

/\*8: Find Total salary of personnel who are getting salary greater than 55000 \*/

Select SUM(Salary) as Total\_Salary

From Personnel

where Salary > '55000';

/\*9: Find First Name, date of birth and salary of employee who are getting salary less than 4000 or their name contain o any where \*/

Select FirstName , Birthday , Salary

From Personnel

where Salary < '4000' OR FirstName like '%o%';

/\*10: Select all the data and arrange it in ascending order. \*/

Select \*

From Personnel

Order by StaffID ASC;

/\*11: Find Maximum, Minimum and Avery salary from personnel table. \*/

Select MAX(Salary) as Max\_Salary , Min(Salary) as Min\_Salary , AVG(Salary) as Avg\_Salary

From Personnel;

/\*12: Find First Name, Last Name date of birth and salary of employee who are getting salary more than 5500 or belongs to Account

department and name contains h letter or date of bith is in 1998. \*/

Select FirstName , LastName , Birthday , Salary

From Personnel

where Salary > '5500' or Department = 'Account' AND FirstName like '%h%' OR Birthday like '%1998%';

/\*13: Find max Find Maximum, Minimum and Avery salary of each department. \*/

Select Department , MAX(Salary) as Max\_Salary , Min(Salary) as Min\_Salary , AVG(Salary) as Avg\_Salary

From Personnel

Group By Department;

/\*14: QUESTION NOT GIVEN \*/

/\*15: Find Salary date of birth and First Name of employee that works in either manufacturer department or have date of birth in 1988 \*/

Select Salary , Birthday , FirstName

From Personnel

where Department = 'Manufecturer' or Birthday like '%1988%';

**SCREENSHOTS ARE LISTED BELOW:**

**Table Creation**

**Graphical user interface, text

Description automatically generated**

**1 to 4**

**Text

Description automatically generated**

**5 to 8**

**Graphical user interface, text, application, email

Description automatically generated**

**9 to 12**

**Text

Description automatically generated**

**13 to 15**

**Graphical user interface, text, application

Description automatically generated**