*QUERY 3*

*Table: Hospital*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *NO.* | *NAME* | *AGE* | *DEPARTMENT* | *DETEOFADM* | *CHARGES* | *SEX* |
| *1.* | *Sandeep* | *65* | *Surgery* | *23/02/98* | *300* | *M* |
| *2.* | *Ravina* | *24* | *Orthopedic* | *20/01/98* | *200* | *F* |
| *3.* | *Karan* | *45* | *Orthopedic* | *19/02/98* | *200* | *M* |
| *4.* | *Tarun* | *12* | *Surgery* | *01/01/98* | *300* | *M* |
| *5.* | *Zubin* | *36* | *ENT* | *12/01/98* | *250* | *M* |
| *6.* | *Ketaki* | *16* | *ENT* | *24/02/98* | *300* | *F* |
| *7.* | *Leena* | *29* | *Cardiology* | *20/02/98* | *800* | *F* |
| *8.* | *Zareen* | *45* | *Gynecology* | *22/02/98* | *300* | *M* |
| *9.* | *Kush* | *19* | *Cardiology* | *13/01/98* | *800* | *M* |
| *10.* | *Shalia* | *31* | *Nuclear Medicine* | *19/02/98* | *400* | *F* |

*1.To show all information about the patients of cardiology department.*

*SQL COMMANDS: Select no, name, age,dept,dateofadm,charges,sex from hospital*

*Where deptlike “cardiology”;*

*2.To list the names of female patienys who are in orthopedic department.*

*SQL COMMANDS: Select name from hospital*

*Where sexlike “f” and deptlike “orthopedic”;*

*3.To list name of all patients with their date of adm in ascending order.*

*SQL COMMANDS: Select name from hospital*

*Group by date of adm;*

*4. To display patients Name,Charges,AGE for only male patients only.*

*SQL COMMANDS: Select name,charges,age from hospital*

*Where sexlike “M”;*

*5 .To cout the number of patients with Age greater than 30.*

*SQL COMMANDS: Select count(\*) from Hospital*

*Where age>30;*

*6. To insert a new row in the hospital table with the following data:*

*11, ‘NIPAN’, 26, ‘ENT ’, ’25/02/98’,50, ‘M’*

*SQL COMMANDS: insert into hospital*

*Values(11, “NIPAN”, 26,” ENT”,{25/02/98},50,”M”);*

*7. Select COUNT(distinct Department) from hospital;*

*Outputs: 2 2 1 1 2 2*

8. Select MAX(age) from hospital where Sex=’M’;

Outputs: 65

*9. Select AVG(charges) from hospital where sex=’F’;*

*Outputs: 400*

*10. Select SUM(charges) from hospital where Dateofadm<’2/08/98’;*

*Outputs: 3850*