Homework

Create Table Student

(

Stud\_id int primary key,

Name varchar(20),

Batch\_no int foreign key references Batch(Batch\_no)

)

Create Table Batch

(

Batch\_no int primary key,

Start\_Date date,

End\_Date date

)

Create Table Attendance

(

A\_status int,

Sid int foreign key references Student(Stud\_id),

Date date

)

Create Table Fee\_Receipt

(

Receipt\_no int,

Amount money,

Sid int foreign key references Student(Stud\_id)

)

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Insert into Batch values

(1001,'2024-01-01','2024-03-31'),

(1002,'2024-02-01','2024-04-30'),

(1003,'2024-03-01','2024-05-31'),

(1004,'2024-04-01','2024-06-30'),

(1005,'2024-05-01','2024-07-31'),

(1006,'2024-06-01','2024-08-31')

Insert into Student Values

(1,'A',1001),

(2,'B',1006),

(3,'C',1003),

(4,'D',1003),

(5,'E',1004),

(6,'F',1005),

(7,'G',1006),

(8,'H',1001),

(9,'I',1002),

(10,'J',1003)

Truncate table Attendance

Insert into Attendance values

(1,1,'2024-01-01'),

(1,2,'2024-01-01'),

(1,3,'2024-01-01'),

(1,4,'2024-01-01'),

(1,5,'2024-01-01'),

(1,6,'2024-01-01'),

(1,7,'2024-01-01'),

(1,8,'2024-01-01'),

(1,9,'2024-01-01'),

(1,10,'2024-01-01'),

(1,1,'2024-01-02'),

(1,2,'2024-01-02'),

(1,3,'2024-01-02')

Insert into Fee\_Receipt values

(3001,5000,1),

(3002,15000,2),

(3003,10000,3),

(3004,5000,1),

(3005,15000,5),

(3006,5000,3),

(3007,5000,1),

(3008,15000,NULL)

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Select \* From Batch

Select \* From Student

Select \* From Attendance

Select \* From Fee\_Receipt

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--Display studentID,Name,Batchno,StartDate,EndDate,Total Present days and Total Fees paid

Select Stud\_id,Name,Batch\_no,Start\_Date,End\_Date,Total\_Present\_days,Total\_fees\_paid

From

(Select s.Stud\_id,s.Name,s.Batch\_no,b.Start\_Date,b.End\_Date,SUM(a.A\_status) as Total\_Present\_days

From Student s

Join Batch b

On s.Batch\_no = b.Batch\_no

Left Join Attendance a

On a.Sid = s.Stud\_id

Group By s.Stud\_id,s.Name,s.Batch\_no,b.Start\_Date,b.End\_Date) T1

Left Join

(Select Sid,SUM(Amount) as Total\_fees\_paid

From Fee\_Receipt

Group By Sid) T2

On T1.Stud\_id = T2.Sid

Output:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Stud\_id | Name | Batch\_no | Start\_Date | End\_Date | Total\_Present\_days | Total\_fees\_paid |
| 1 | A | 1001 | 01-01-2024 | 31-03-2024 | 2 | 15000 |
| 2 | B | 1006 | 01-06-2024 | 31-08-2024 | 2 | 15000 |
| 3 | C | 1003 | 01-03-2024 | 31-05-2024 | 2 | 15000 |
| 4 | D | 1003 | 01-03-2024 | 31-05-2024 | 1 | NULL |
| 5 | E | 1004 | 01-04-2024 | 30-06-2024 | 1 | 15000 |
| 6 | F | 1005 | 01-05-2024 | 31-07-2024 | 1 | NULL |
| 7 | G | 1006 | 01-06-2024 | 31-08-2024 | 1 | NULL |
| 8 | H | 1001 | 01-01-2024 | 31-03-2024 | 1 | NULL |
| 9 | I | 1002 | 01-02-2024 | 30-04-2024 | 1 | NULL |
| 10 | J | 1003 | 01-03-2024 | 31-05-2024 | 1 | NULL |