

Saurabh Hebbalkar - 19232697

EPL Module Text

```
create schema Pickup(taxild int, pickupLocation int);  
create schema Dropoff(taxild int, dropoffLocation int, amount int);  
create schema Route(pickupLocation int, dropoffLocation int, amount int);
```

```
insert into Route  
select  
a.pickupLocation as pickupLocation,  
b.dropoffLocation as dropoffLocation,  
b.amount as amount  
from pattern  
[every a=Pickup ->  
(b=Dropoff(taxild = a.taxild)  
where timer:within(40 min))];
```

```
select pickupLocation, dropoffLocation, sum(amount) as sum  
from Route  
group by pickupLocation, dropoffLocation  
output all every 1 events  
order by sum asc  
limit 10;
```

Output

1

Scenario Results

All Output Events	Output Per Statement
All Audit Text	Audit Text Per Statement
At: 2001-01-01 08:05:00.000	
Statement: stmt-4	
Insert	
Route={pickupLocation=1, dropoffLocation=2, amount=110}	
Statement: stmt-5	
Insert	
stmt-5-output={pickupLocation=1, dropoffLocation=2, sum=110}	
At: 2001-01-01 08:15:00.000	
Statement: stmt-4	
Insert	
Route={pickupLocation=2, dropoffLocation=3, amount=90}	
Statement: stmt-5	
Insert	
stmt-5-output={pickupLocation=2, dropoffLocation=3, sum=90}	
stmt-5-output={pickupLocation=1, dropoffLocation=2, sum=110}	

2

Scenario Results

All Output Events	Output Per Statement
All Audit Text	Audit Text Per Statement
At: 2001-01-01 08:25:00.000	
Statement: stmt-4	
Insert	
Route={pickupLocation=1, dropoffLocation=3, amount=80}	
Statement: stmt-5	
Insert	
stmt-5-output={pickupLocation=1, dropoffLocation=3, sum=80}	
stmt-5-output={pickupLocation=2, dropoffLocation=3, sum=90}	
stmt-5-output={pickupLocation=1, dropoffLocation=2, sum=110}	

3

Scenario Results

All Output Events

Output Per Statement

All Audit Text

Audit Text Per Statement

At: 2001-01-01 08:35:00.000

Statement: stmt-4

Insert

Route={pickupLocation=3,
dropoffLocation=1, amount=110}

Statement: stmt-5

Insert

stmt-5-output={pickupLocation=1,
dropoffLocation=3, sum=80}
stmt-5-output={pickupLocation=2,
dropoffLocation=3, sum=90}
stmt-5-output={pickupLocation=1,
dropoffLocation=2, sum=110}
stmt-5-output={pickupLocation=3,
dropoffLocation=1, sum=110}

4

Scenario Results

All Output Events

Output Per Statement

All Audit Text

Audit Text Per Statement

At: 2001-01-01 08:45:00.000

Statement: stmt-4

Insert

Route={pickupLocation=1,
dropoffLocation=3, amount=100}

Statement: stmt-5

Insert

stmt-5-output={pickupLocation=2,
dropoffLocation=3, sum=90}
stmt-5-output={pickupLocation=1,
dropoffLocation=2, sum=110}
stmt-5-output={pickupLocation=3,
dropoffLocation=1, sum=110}
stmt-5-output={pickupLocation=1,
dropoffLocation=3, sum=180}

5

Scenario Results

All Output Events

Output Per Statement

All Audit Text

Audit Text Per Statement

At: 2001-01-01 08:55:00.000

Statement: stmt-4

Insert

Route={pickupLocation=1,
dropoffLocation=3, amount=110}

Statement: stmt-5

Insert

stmt-5-output={pickupLocation=2,
dropoffLocation=3, sum=90}
stmt-5-output={pickupLocation=1,
dropoffLocation=2, sum=110}
stmt-5-output={pickupLocation=3,
dropoffLocation=1, sum=110}
stmt-5-output={pickupLocation=1,
dropoffLocation=3, sum=290}

6

At: 2001-01-01 09:05:00.000

Statement: stmt-4

Insert

Route={pickupLocation=6,
dropoffLocation=7, amount=140}

Statement: stmt-5

Insert

stmt-5-output={pickupLocation=2,
dropoffLocation=3, sum=90}
stmt-5-output={pickupLocation=1,
dropoffLocation=2, sum=110}
stmt-5-output={pickupLocation=3,
dropoffLocation=1, sum=110}
stmt-5-output={pickupLocation=6,
dropoffLocation=7, sum=140}
stmt-5-output={pickupLocation=1,
dropoffLocation=3, sum=290}