PostgreSQL BETWEEN

Query Editor | Query History | Explain | Messages

```
--The following query use the BETWEEN operator to select payments whose amount is between 8 and 9 (u
SELECT
    customer_id,
    payment_id,
    amount
FROM
    payment
WHERE
    amount BETWEEN 8 AND 9;
```

Data Output

	customer_id smallint	payment_id [PK] integer	amount numeric (5,2)
1	343	17517	8.99
2	347	17529	8.99
3	347	17532	8.99
4	348	17535	8.99
5	349	17540	8.99
6	379	17648	8.99
7	403	17747	8.99
8	409	17775	8.99
9	423	17817	8.99
10	431	17853	8.99
11	442	17886	8.99
12	465	17990	8.99
13	466	17993	8.99

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```
--To get payments whose amount is not in the range of 8 and 9, you use the following query:

SELECT
    customer_id,
    payment_id,
    amount
FROM
    payment
WHERE
    amount NOT BETWEEN 8 AND 9;
```

Data Output

	customer_id smallint	payment_id [PK] integer	amount numeric (5,2)
1	341	17503	7.99
2	341	17504	1.99
3	341	17505	7.99
4	341	17506	2.99
5	341	17507	7.99
6	341	17508	5.99
7	342	17509	5.99
8	342	17510	5.99
9	342	17511	2.99
10	343	17512	4.99
11	343	17513	6.99

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```
--If you want to check a value against of date ranges, you should use the literal date in ISO 8601 format i.e., YYYY-MM-D
SELECT
    customer_id,
    payment_id,
    amount,
 payment_date
FROM
    payment
WHERE
    payment_date BETWEEN '2007-02-07' AND '2007-02-15';
```

Data Output

	customer_id smallint	payment_id [PK] integer	amount numeric (5,2)	payment_date timestamp without time zone
1	368	17610	0.99	2007-02-14 23:25:11.996577
2	370	17617	6.99	2007-02-14 23:33:58.996577
3	402	17743	4.99	2007-02-14 23:53:34.996577
4	416	17793	2.99	2007-02-14 21:21:59.996577
5	432	17854	5.99	2007-02-14 23:07:27.996577
6	481	18051	2.99	2007-02-14 22:03:35.996577
7	512	18155	6.99	2007-02-14 22:57:03.996577
8	516	18173	4.99	2007-02-14 21:23:39.996577
9	546	18276	1.99	2007-02-14 23:10:43.996577
10	561	18322	2.99	2007-02-14 23:52:46.996577