

ASSIGNMENT QUESTION – 6

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure: PostgreSQL 12 > Databases (5) > ExerciseDb > Qn_5 > Schemas (1) > public. The main pane shows the Query Editor with the following SQL query:

```
1 SELECT "Book".name, "Price".price
2 FROM public."Book"
3 JOIN "Price" ON "Book".id = "Price".id;
```

The Data Output tab shows the results of the query:

	name character varying	price character varying
1	school	500
2	theatre	200

The Windows taskbar at the bottom shows the time as 8:48 PM on 3/8/2022.

1 JOIN

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure: PostgreSQL 12 > Databases (5) > ExerciseDb > Qn_5 > Schemas (1) > public. The main pane shows the Query Editor with the following SQL query:

```
1 SELECT "Book".name, "Price".price
2 FROM "Book"
3 RIGHT JOIN "Price"
4 ON "Book".id = "Price".id;
```

The Data Output tab shows the results of the query:

	name character varying	price character varying
1	school	500
2	theatre	200
3	[null]	400
4	[null]	600

A green status bar at the bottom right indicates: "Successfully run. Total query runtime: 31 msec. 4 rows affected."

The Windows taskbar at the bottom shows the time as 8:49 PM on 3/8/2022.

2 RIGHT JOIN



pgAdmin 4

File Object Tools Help

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Dashboard Properties SQL Statistics Dependencies Dependents public.person/... public.person/... public.perso

Query Editor Query History

```

1 SELECT "Book".id, "Book".name
2 FROM "Book"
3 UNION
4 SELECT "Price".id, "Price".price
5 FROM "Price"

```

Data Output Explain Messages Notifications

id	name
1	school
2	college
3	1 500
4	2 theatre
5	5 400
6	3 hospital
7	2 200
8	6 600

Type here to search

28°C 8:56 PM 3/8/2022

5 UNION

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 - mobile

Dashboard Properties SQL Statistics Dependencies Dependents public.person/... public.person/... public.perso

Query Editor Query History

```

1 SELECT "Book".id
2 FROM "Book"
3 INTERSECT
4 SELECT "Price".id
5 FROM "Price";

```

Data Output Explain Messages Notifications

id
1
2

Type here to search

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6 INTERSECT

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Dashboard Properties SQL Statistics Dependencies Dependents Qn_5/postgres... Qn_5/postgres@PostgreSQL 12 *

Query Editor Query History

```

1 SELECT
2   "Price".id,
3   "Price".price
4 FROM
5   "Price"
6 WHERE
7   "Price".price > 300;

```

Data Output Explain Messages Notifications

	id integer	price integer
1	2	400
2	3	600
3	5	1000

Type here to search

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7 SUBQUERY 1

pgAdmin 4

File Object Tools Help

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Dashboard Properties SQL Statistics Dependencies Dependents Qn_5/postgres... Qn_5/postgres@PostgreSQL 12 *

Query Editor Query History

```

1 SELECT
2   "Price".id,
3   "Price".price
4 FROM
5   "Price"
6 WHERE
7   "Price".price > (
8     SELECT
9       AVG ("Price".price)
10    FROM
11      "Price"
12  );

```

Data Output Explain Messages Notifications

	id integer	price integer
1	3	600
2	5	1000

Type here to search

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8 SUBQUERY 2

pgAdmin 4

File Object Tools Help

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Dashboard Properties SQL Statistics Dependencies Dependents Qn_5/postgres... Qn_5/postgres... public.Book/ < > SQL

Query Editor Query History

```
1 SELECT
2   "Book".id,
3   "Book".name
4 FROM
5   "Book"
6 WHERE
7   "Book".name = 'hospital'
```

Data Output Explain Messages Notifications

id	name
integer	character varying
1	3 hospital

Type here to search

29°C 12:55 PM 3/9/2022

9 SUBQUERY 3