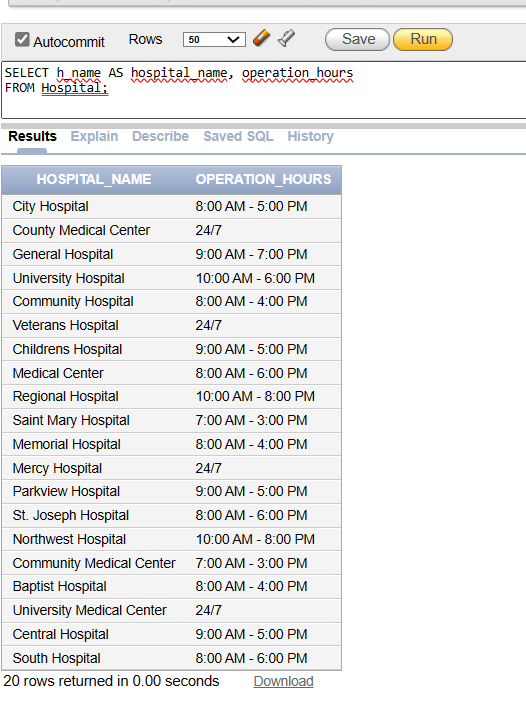
**1. This query retrieves the names of all hospitals and their operation hours.**

**Query**:  
SELECT h\_name AS hospital\_name, operation\_hours

FROM Hospital;

**Result:**



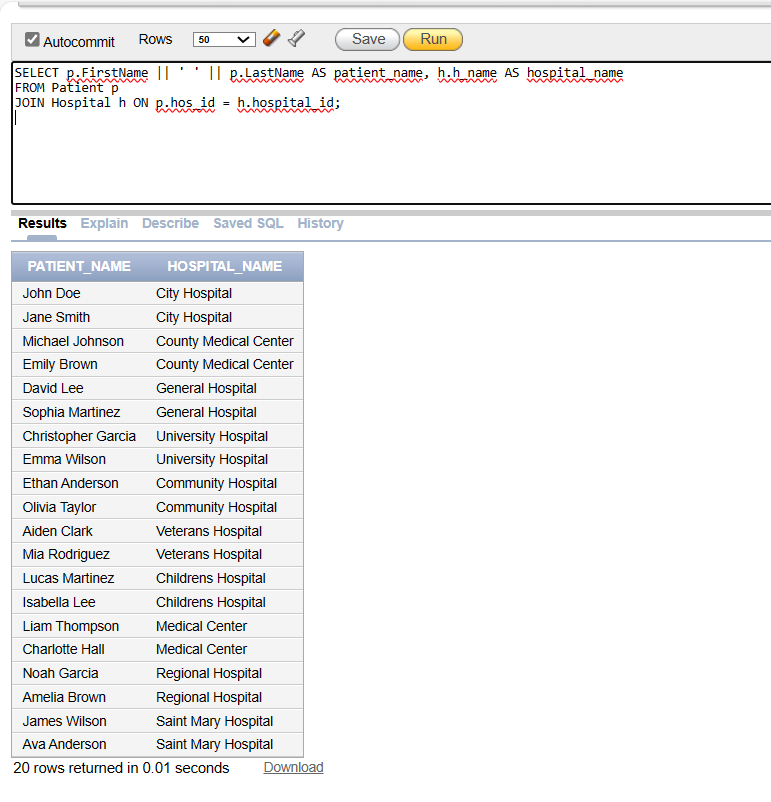
**2. This query retrieves the names of patients along with the names of the hospitals they are admitted to.**

**Query:**  
SELECT p.FirstName || ' ' || p.LastName AS patient\_name, h.h\_name AS hospital\_name

FROM Patient p

JOIN Hospital h ON p.hos\_id = h.hospital\_id;

**Result:**



**3. Query to count the number of patients in each hospital**

**Query:**

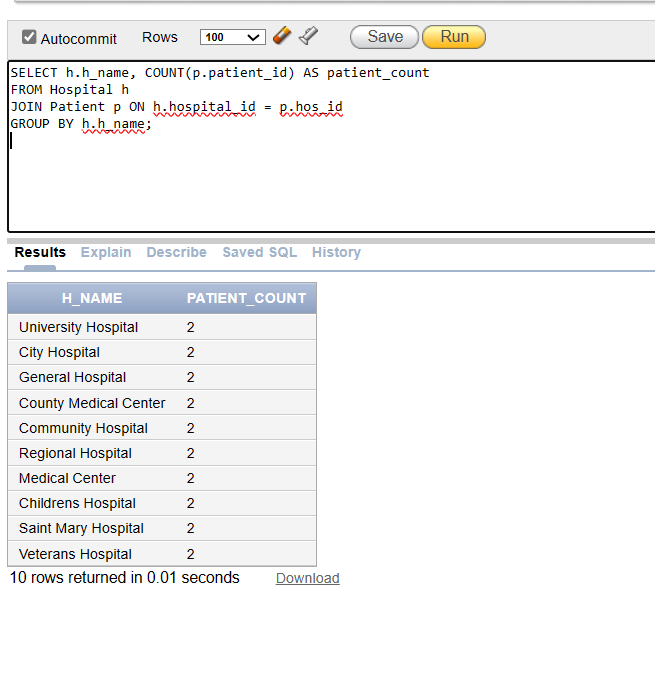
SELECT h.h\_name, COUNT(p.patient\_id) AS patient\_count

FROM Hospital h

JOIN Patient p ON h.hospital\_id = p.hos\_id

GROUP BY h.h\_name;

**Result:**



**4. This query calculates the total blood donation quantity by gender.**

**Query:**

SELECT

d.gender,

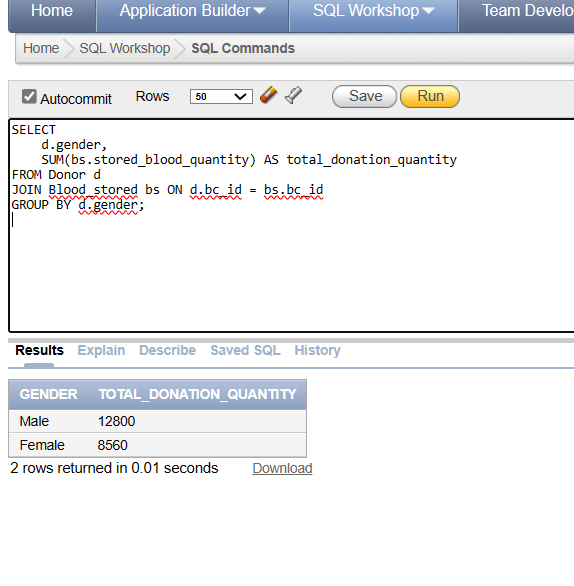
SUM(bs.stored\_blood\_quantity) AS total\_donation\_quantity

FROM Donor d

JOIN Blood\_stored bs ON d.bc\_id = bs.bc\_id

GROUP BY d.gender;

**Result:**



**5. Retrieves distinct requested blood groups that are available at specific blood donation camps with a stored quantity greater than zero, and provides the names of those camps.**

**Query:**

SELECT

DISTINCT bs.blood\_type as Requested\_blood\_group,

bc.bc\_name as Available\_at\_blood\_camps

FROM blood\_camp bc,blood\_stored bs

WHERE bs.bc\_id = bc.bc\_id

AND bs.blood\_type in

(SELECT

DISTINCT r.blood\_group

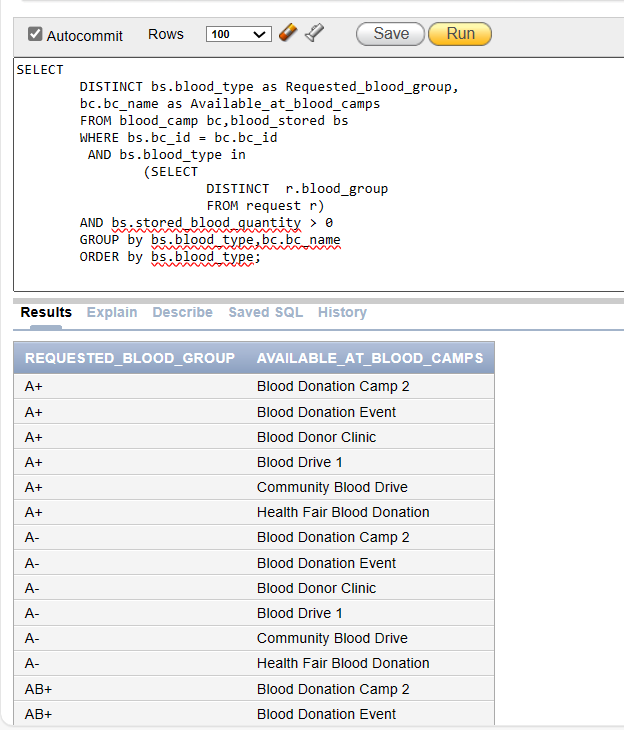
FROM request r)

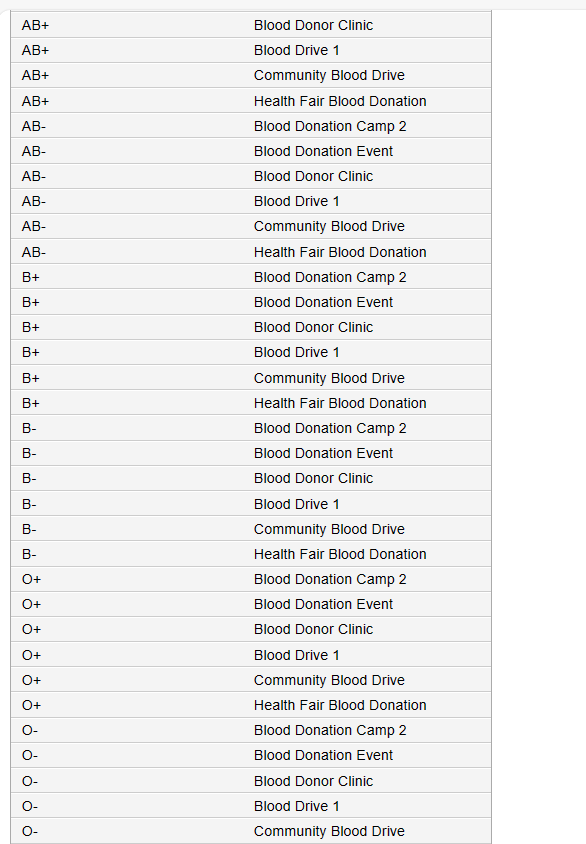
AND bs.stored\_blood\_quantity > 0

GROUP by bs.blood\_type,bc.bc\_name

ORDER by bs.blood\_type;

**Result:**





**6.** **Retrieves distinct requested blood groups that are not available at specific blood donation camps due to a stored quantity of zero, along with the names of those camps.**

**Query:**

SELECT

DISTINCT bs.blood\_type as Requested\_blood\_group,

bc.bc\_name as Not\_Available\_at\_blood\_camps

FROM blood\_camp bc,blood\_stored bs

WHERE bs.bc\_id = bc.bc\_id and bs.blood\_type in

(SELECT

DISTINCT r.blood\_group

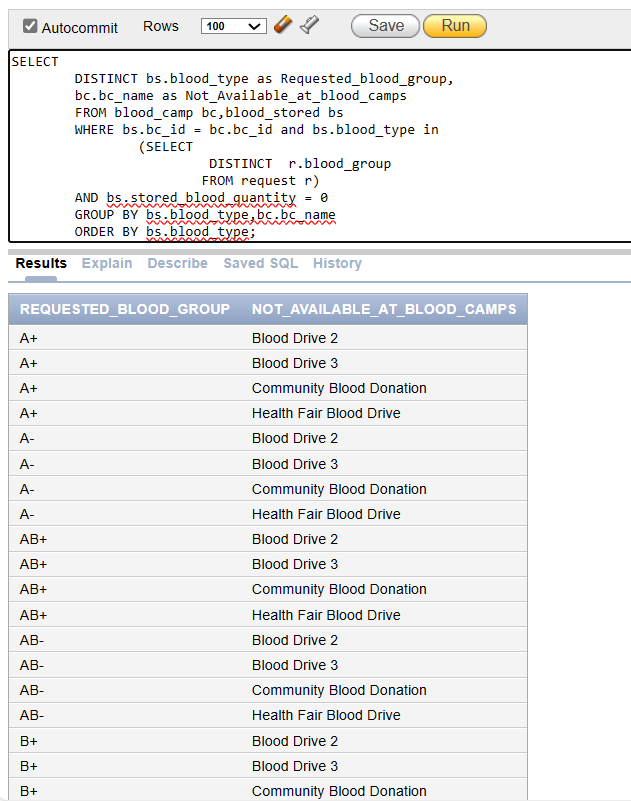
FROM request r)

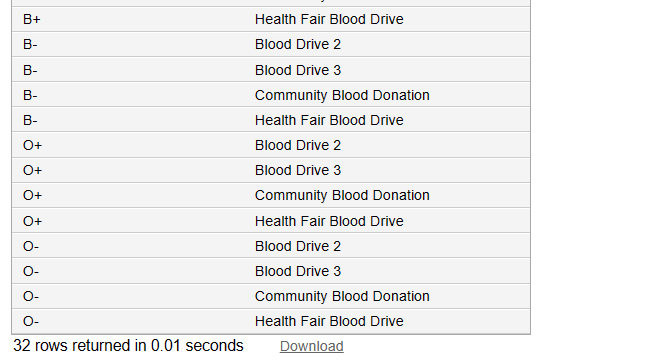
AND bs.stored\_blood\_quantity = 0

GROUP BY bs.blood\_type,bc.bc\_name

ORDER BY bs.blood\_type;

**Result:**

****

****

**7. Identifying Blood Requests for Specific Blood Group and Hospital**

**Query:**

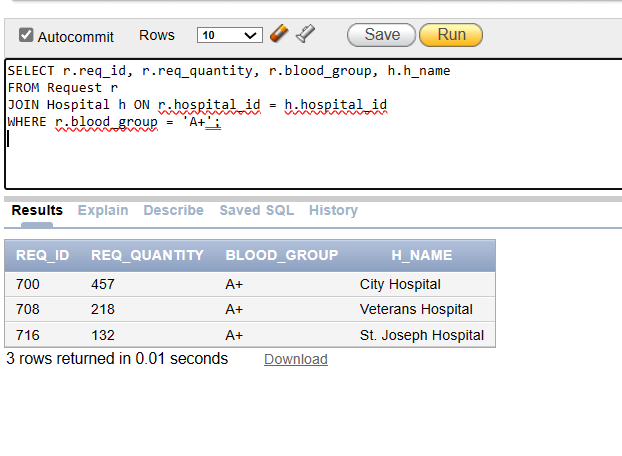
SELECT r.req\_id, r.req\_quantity, r.blood\_group, h.h\_name

FROM Request r

JOIN Hospital h ON r.hospital\_id = h.hospital\_id

WHERE r.blood\_group = 'A+';

**Result:**

****

**8.** **Fetch all admissions with corresponding patient and hospital**

**Query:**

SELECT

a.\*,

p.FirstName AS patient\_first\_name,

p.LastName AS patient\_last\_name,

h.h\_name AS hospital\_name

FROM

Admits a

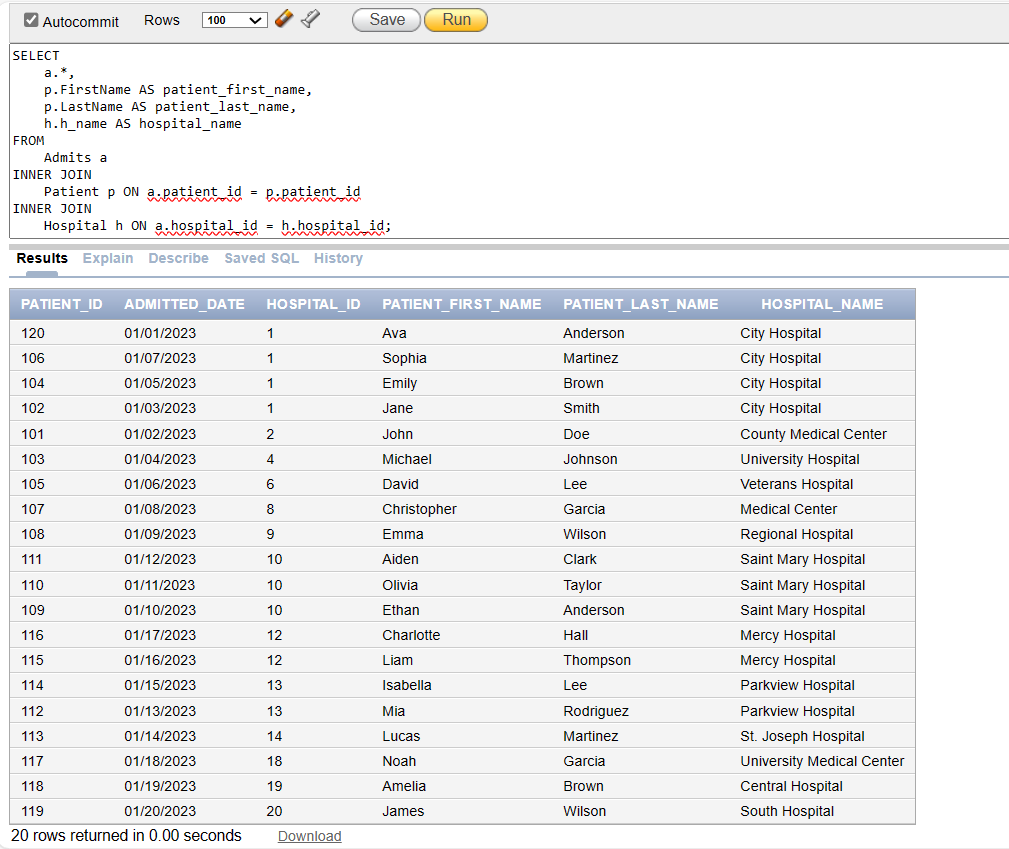
INNER JOIN

Patient p ON a.patient\_id = p.patient\_id

INNER JOIN

Hospital h ON a.hospital\_id = h.hospital\_id;

**Result:**

****

**9. Fetch all donors with corresponding blood bank and blood camp**

**Query:**

SELECT

d.\*,

bb.bb\_name AS blood\_bank\_name,

bc.bc\_name AS blood\_camp\_name

FROM

Donor d

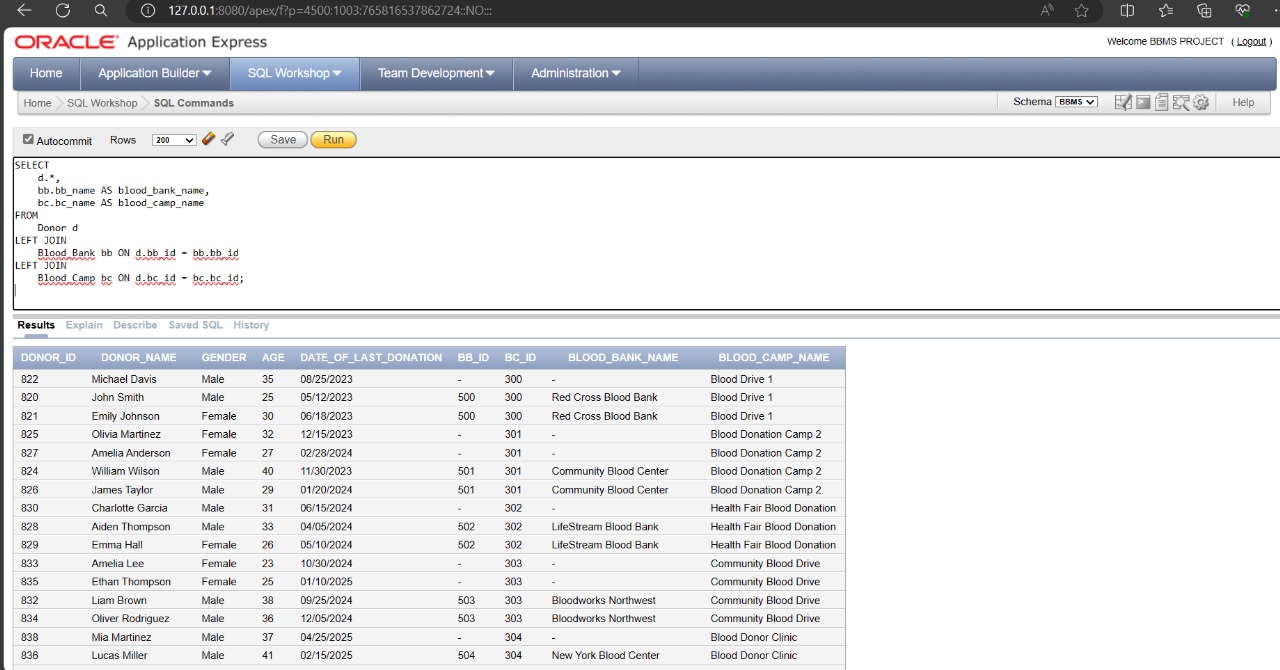
LEFT JOIN

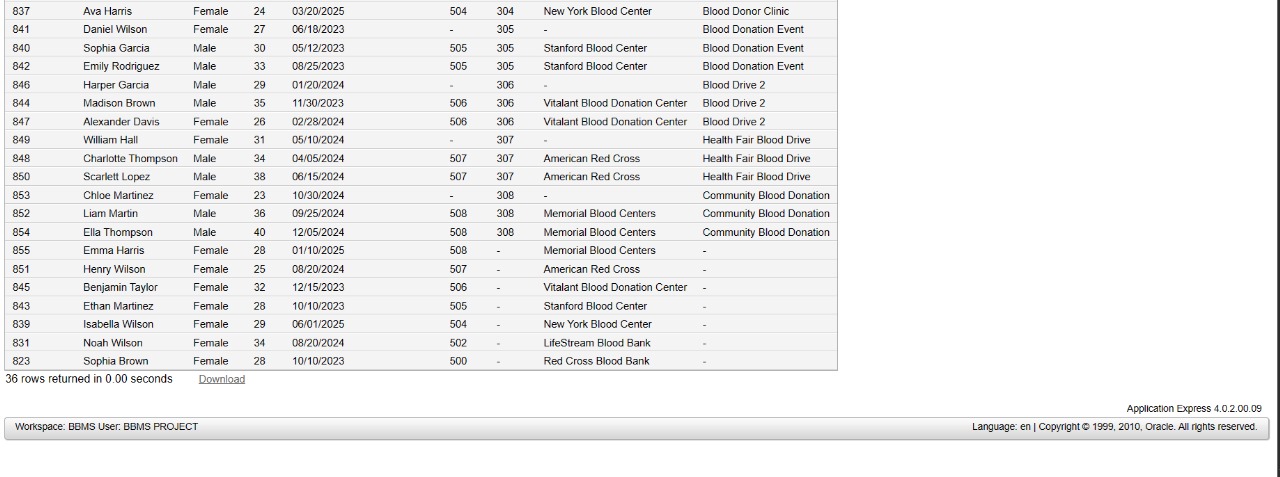
Blood\_Bank bb ON d.bb\_id = bb.bb\_id

LEFT JOIN

Blood\_Camp bc ON d.bc\_id = bc.bc\_id;

**Result:**

****

****

**10What is the requested blood quantity, blood group, blood bank name, and the request sent date to the blood bank for all the request\_id?**

**Query:**

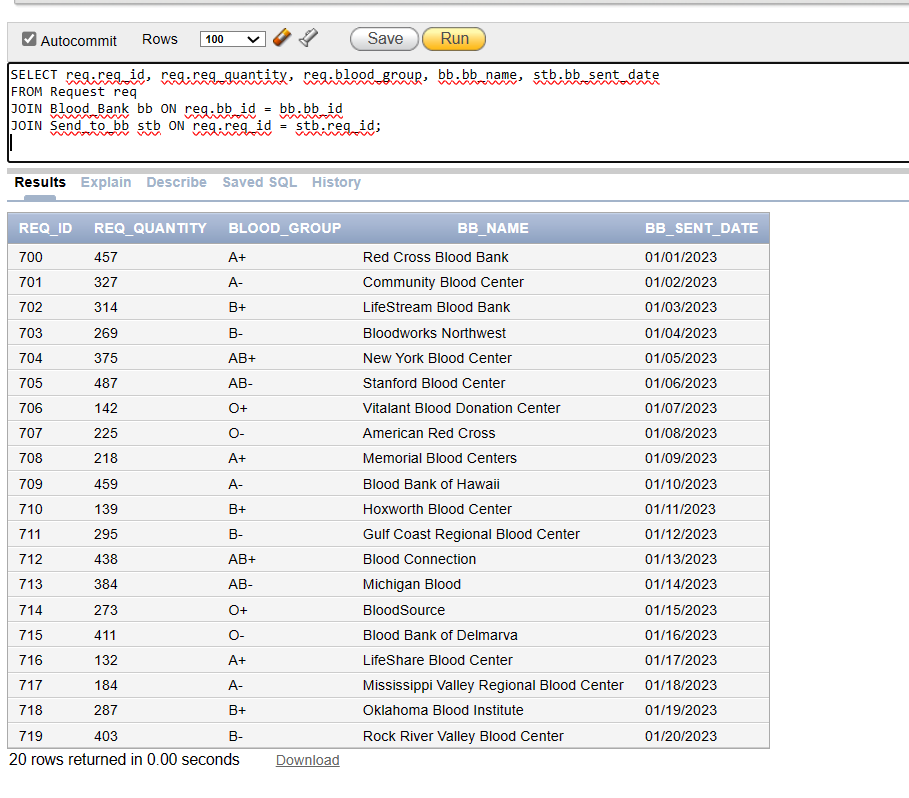
SELECT req.req\_id, req.req\_quantity, req.blood\_group, bb.bb\_name, stb.bb\_sent\_date

FROM Request req

JOIN Blood\_Bank bb ON req.bb\_id = bb.bb\_id

JOIN Send\_to\_bb stb ON req.req\_id = stb.req\_id;

**Result:**

****