

DESKTOP-46IOPCK\MSSQLSERVER01 (SQL Server 16.0.1)

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# --Exercise 1

```
--select d.name,
```

```
--To get the name of the blood type for the donor
```

```
(select b.name
from blood_types b
where b.blood_type_id = d.blood_type_id
) as blood_type,
```

```
--To get the donation date and approved quantity for the donor
dt.donation_date,dt.approved_quantity,
```

```
--To get the name of the doctor supervising the donor
(select do.name
from employee do where do.employee_id=dt.doctor_id
) as doctor,
```

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Results Messages

	name	blood_type	donation_date	approved_quantity	doctor	resepction
1	Ahmad	O-	2020-04-13	2000	Khaled souzana	
2	Ahmad	O-	2021-07-04	1000	Khaled souzana	
3	Ahmad	O-	2021-05-16	500	Khaled souzana	
4	Ahmad	O-	2020-06-12	1500	Bashar souzana	
5	Ahmad	O-	2019-07-30	0	Khaled souzana	
6	Ahmad	O-	2019-07-30	2000	Khaled Bashar	
7	houda	A-	2020-05-13	500	Bashar souzana	
8	houda	A-	2019-07-30	2000	Khaled Bashar	
9	houda	A-	2019-07-30	2000	Khaled Bashar	
10	houda	A-	2019-07-30	2000	Khaled Bashar	
11	houda	A-	2019-07-30	0	Khaled Bashar	
12	wasem	B+	2020-06-13	1000	Bashar souzana	

Query executed successfully.

Activate Windows

SQLQuery1.sql - DESKTOP-46J0PCCK\MSSQLSERVER01\blood bank (DESKTOP-46J0PCCK{TUF (55))\* - Microsoft SQL Server Management Studio

FileEditViewQueryProjectToolsWindowHelp

blood bank

New QueryExecute

SQLQuery1.sql - DE...-46J0PCCK{TUF (55))\*

--Exercise 2

--select name ,order\_id,order\_date ,

--To get the name of the blood type for order

(select b.name

from blood\_types b

where b.blood\_type\_id = o.blood\_type\_id

) as blood\_type,

--To get quantity\_ordered and quantity\_supplied for the each order

quantity\_ordered , quantity\_supplied

from hospitals h

Inner Join blood\_orders o

--Adding a condition that the quantity ordered does not equal the quantity supplied

on (h.hospital\_id = o.hospital\_id and o.quantity\_ordered != o.quantity\_supplied)

order by name;

146 %

ResultsMessages

	name	order_id	order_date	blood_type	quantity_ordered	quantity_supplied
1	'ibn alhafis	5	2021-05-08	O-	1500	3000
2	al manar	9	2023-01-05	O-	2000	4500
3	hisham sanan	3	2021-10-30	B+	0	2500
4	hisham sanan	6	2022-09-08	O-	1300	4000
5	hisham sanan	8	2022-09-04	O-	3000	5000
6	hospital almujaahid	1	2020-12-04	O+	1500	2000
7	hospital almujaahid	4	2020-10-05	O-	1000	2000

Object Explorer

Connect

DESKTOP-46J0PCCK\MSSQLSERVER01 (SQL Server 16.0.1)

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SQLQuery1.sql - DESKTOP-460PCK\MSSQLSERVER01.blood bank (DESKTOP-460PCK)\TUF (55)\* - Microsoft SQL Server Enterprise Studio

FileEditViewQueryProjectToolsWindowHelp

Quick Launch (Ctrl+Q)

blood bank

Execute

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Management

SQLQuery1.sql - DE...-460PCK\TUF (55))\*

--Exercise 4

--Finding requests for all hospitals that requested 0- blood group

select \* from(

select name,quantity\_supplied,type\_id from hospitals t2

Inner Join blood\_orders o

on (t2.hospital\_id=o.hospital\_id)

) a

Inner Join

--Finding the highest order for a government hospital

(select max( o.quantity\_supplied )as highest\_quantity from

(select hospital\_id from hospitals

where type\_id=1) t1

Inner Join blood\_orders o

on t1.hospital\_id = o.hospital\_id

) b

146 %

Results

Messages

	name	quantity_supplied	type_id	highest_quantity
1	hisham sanan	4000	2	3000
2	hisham sanan	5000	2	3000
3	al manar	4500	2	3000

Activate Windows

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Ready

DESKTOP-460PCK\MSSQLSERVER...DESKTOP-460PCK\TUF (55)blood bank0000003 rowsINS

