Database: qoc353_4

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ER conversions

```
Researcher(
       researcherID,
       companyID
Primary key: (EmpID,CompanyID)
F = {} There is no FD therefore Researcher is in BCNF and 3NF.
Project (
       projectID,
       project_teamID,
       project facilityID,
       project_companyID,
       startDate,
       endDate.
       name
Primary key: (projectID, project teamID,project facilityID,project companyID)
Foreign keys: project teamID, project facilityID, project companyID
F = {projectID, project teamID,project facilityID,project companyID → startDate,
endDate,name}
```

For project table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table. In this case, projectID, project_teamID,project_facilityID, and project_companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the project table then this means that single FD is in BCNF. As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
assigned(
    assigned_project,
    assigned_team,
    assigned_facility,
    assigned_company,
    assigned_researcher,
    total_hours,
    assigned_startDate,
    assigned_endDate

)

Primary key: (researcherID ,companyID,projectID)
```

F={assigned_project,assigned_team,assigned_facility,assigned_company,assigned_researcher → total_hours,assigned_startDate,assigned_endDate}

For assigned table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table. In this case:

assigned_project,assigned_team,assigned_facility,assigned_company,assigned_researcher must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the assigned table then this means that single FD is in BCNF. As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For team table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: teamID,team_researchFID,team_companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the team table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For contract table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: contractID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the team table then this means that single FD is in BCNF. As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
purchase_item_productID,
    purchase_item_companyID,
    purchase_item_purchaseID,
    quantity,
    unitPrice
)
Primary key: (purchase_item_productID, purchase_item_companyID,
purchase_item_purchaseID)

Foreign keys:purchase_item_productID, purchase_item_companyID,
purchase_item_purchaseID
```

```
F={ purchase_item_productID, purchase_item_companyID, purchase item_purchaseID->quantity, unitPrice }
```

For purchaseltem table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: productID, productCompany, purchaseID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the purchaseItem table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
product(
      productID,
       product company.
       productDescription,
       productVolume,
      productPrice.
      UPC,
       productWeight,
       productName.
      productStatus
Primary key: ( productID , product company)
Foreign key: product company
F = {
productID, product company -> productDescription,productVolume,productPrice,UPC
,productWeight,productName,productStatus
UPC ->productID, product company,productDescription,productVolume,productPrice,UPC
,productWeight,productName,productStatus
}
```

For product table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: productID and product_company must be part of the key to the table. Since the first FD uses those same key components to obtain the rest of the attributes in the product table then this means that this FD is in BCNF.As in this FD has a key for its left hand side of its attribute. For the FD that has UPC on its left hand side, it also determines the entire relation since it is unique. So that FD is in BCNF and also UPC is obtained using the first FD. Since all the FD's are in BCNF then this table is in BCNF.

For facility table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: fID,companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For headOffice table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: headFID,companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
researchfacility(
    ResearchFID,
    companyID
    )

primary key: ( ResearchFID, companyID)

Foreign keys: ResearchFID,companyID

FD = {} There are no FD's in researchfacility therefore it is in BCNF & 3NF. It has no FD's to violate.

manufacturingfacility(
    ManufacturingFID
    companyID
    productionCap
    )

primary key: ManufacturingFID, companyID

Foreign keys: ManufacturingFID,companyID

Foreign keys: ManufacturingFID, companyID

F ={ManufacturingFID, companyID → productionCap}
```

For manufacturingfacility table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case: ManufacturingFID, companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF. As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For warehousefacility table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case:warehouseFID, companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For worksfor table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case:warehouseFID, companyID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
person(
SSN,
firstName,
lastName,
citizenship,
postalCode,
province,
email,
address,
city,
salary,
country,
phone
)
Primary key: (SSN)
```

 $F = \{SSN \rightarrow$

firstName,lastName,citizenship,postalCode,province,email,address,city,salary,country,phone }

For person table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case:SSN must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For employee table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case:SSN must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF. As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
clients (
       clientID,
       clientPhone,
       clientName,
       clientCountry,
       clientEmail,
       clientContactName,
       clientAddress,
       clientCity,
       clientProvince,
       clientPostalCode
primary key: clientID
F={
clientID → ClientName, clientEmail, clientContactName, clientPhone, clientPostalCode,
Client Country, client Address, client City, client Province\\
}
```

For clients table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case:clientID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF. As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

For company table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

In this case:cID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

```
purchase (purchaseID , purchaseDate)
primary key:purchaseID

F= {purchaseID → purchaseDate}
```

For purchase table, this table is in BCNF. The values that are missing from the left hand side of each FD are those that make up the key to a table.

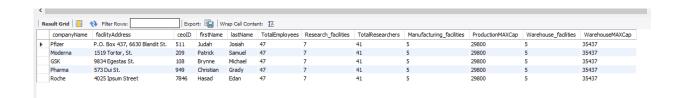
In this case:purchaseID must be part of the key to the table. Since the only FD uses those same key components to obtain the rest of the attributes in the table then this means that single FD is in BCNF.As in this FD has a key for its left hand side of its attribute. Since all the FD's are in BCNF then this table is in BCNF.

Query 11

```
SELECT
  company.companyName,
  facility.facilityAddress,
  company.ceoID,
  person.firstName,
  person.lastName,
  (SELECT DISTINCT
       COUNT(worksfor.empID)
    FROM
      worksfor) AS TotalEmployees,
  (SELECT
      COUNT(facility.fID)
    FROM
      facility
    WHERE
      facility.facilityType = 'research') AS Research_facilities,
  (SELECT
      COUNT(worksfor.empID)
    FROM
      worksfor
    WHERE
      worksfor.task = 'researcher') AS TotalResearchers,
  (SELECT
      COUNT(facility.fID)
    FROM
      facility
    WHERE
      facility.facilityType = 'factory') AS Manufacturing facilities,
  (SELECT
       SUM(manufacturingfacility.productionCap)
    FROM
       manufacturingfacility) AS ProductionMAXCap,
  (SELECT
      COUNT(facility.fID)
    FROM
      facility
    WHERE
       facility.facilityType = 'warehouse') AS Warehouse_facilities,
  (SELECT
       SUM(warehousefacility.maxcap)
    FROM
```

warehousefacility) AS WarehouseMAXCap

```
FROM
  company,
  facility,
  employee,
  headoffice,
  person,
  worksfor,
  researchfacility,
  researcher,
  manufacturingfacility,
  warehousefacility
WHERE
  facility.fID = headoffice.headFID
    AND facility.companyID = company.cID
    AND company.clD = headoffice.companyID
    AND worksfor.company = company.cID
    AND employee.empSSN = person.SSN
    AND employeeID = company.ceoID
GROUP BY company.clD
```



Query 12

SELECT

company.companyName,

facility.facilityCountry,

COUNT(warehousefacility.maxcap)

FROM

company, facility, warehousefacility, contract, clients

WHERE

facility.companyID=warehousefacility.companyID>=1 AND contract.client_clientID=

clients.clientID>=1

GROUP BY

company.companyName

	companyName	facilityCountry	COUNT(warehousefacility.maxcap)			
•	Pfizer	USA	324			
	Moderna	USA	324			
	GSK	USA	324			
	Pharma	USA	324			
	Roche	USA	324			

Query 13

```
SELECT
```

company.companyName, company.headOfficeID, contract.company_companyID, facility.fID, facility.facilityCity, facility.facilityProvince, facility.facilityCountry, clients.clientCountry, contract.contractID

FROM

company, facility, contract, clients

WHERE

company.headOfficeID = facility.fID

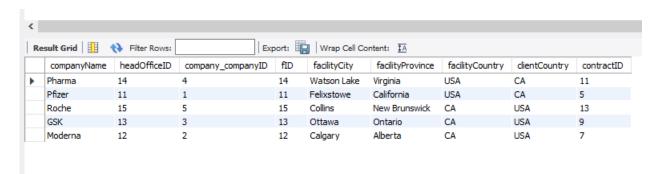
AND facility.facilityType = 'Head'

AND contract.company_companyID = company.cID

AND contract.client_clientID = client_clientID

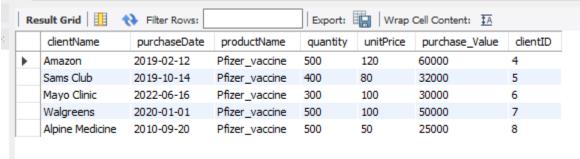
AND clients.clientCountry != facility.facilityCountry

GROUP BY facility.fID



Query 14

```
SELECT
  clients.clientName,
  purchase.purchaseDate,
  product.productName,
  purchase_item.quantity,
  purchase item.unitPrice,
  (purchase_item.unitPrice * purchase_item.quantity) AS purchase_Value,
  clients.clientID
FROM
  purchase_item
    JOIN
  contract ON purchase item.purchase item companyID = contract.company companyID,
  clients,
  purchase,
  product
WHERE
  purchase_item.purchase_item_companyID = '1'
    AND purchase item.purchase item purchaseID = contract.purchase purchaseID
    AND clients.clientID = contract.client_clientID
    AND purchase.purchaseID = purchase_item.purchase_item_purchaseID
    AND product.productID = purchase item productID
```



Query 15

```
SELECT
clients.clientName,
clients.clientID,
company.clD,
company.companyName,
contract.purchase_purchaseID,
```

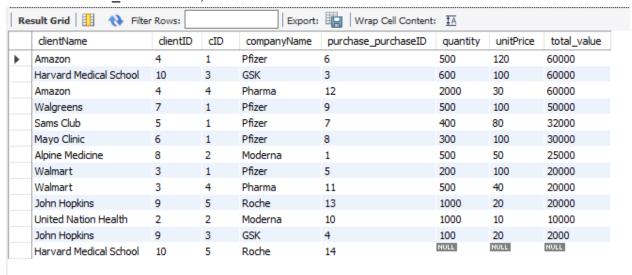
```
purchase_item.quantity,
purchase_item.unitPrice,
(purchase_item.quantity*purchase_item.unitPrice) as total_value
```

FROM

clients JOIN contract on clients.clientID = contract.client_clientID left join company on contract.company_companyID= company.clD

left join purchase on contract.purchase_purchaseID = purchase.purchaseID left join purchase_item on purchase.purchaseID = purchase_item.purchase_item_purchaseID

ORDER BY total_value DESC;



Query 16

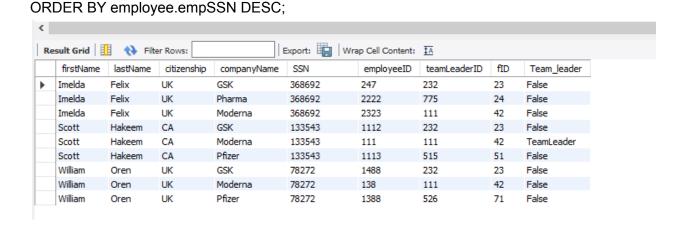
```
SELECT DISTINCT

person.firstName,
person.citizenship,
company.companyName,
person.SSN,
(employee.employeeID),
team.teamLeaderID,
facility.fID,

IF(employee.employeeID = team.teamLeaderID,
    'TeamLeader',
    'False') AS Team_leader

FROM
person
JOIN
```

```
(SELECT
    employee.*, COUNT(employee.empSSN) AS emSSN
  FROM
    employee
  GROUP BY employee.empSSN
  HAVING emSSN = 3) AS T ON T.empSSN = person.SSN,
  team,
  facility,
  company,
  employee,
  worksfor
WHERE
  team.team researchFID = facility.fID
    AND facility.facilityType = 'research'
    AND employee.empSSN = person.SSN
    AND team.team_companyID = company.cID
    AND employee.companyID = facility.companyID
    AND team.team companyID = facility.companyID
    AND T.empSSN = person.SSN
    AND employee.employeeID = worksfor.empID
    AND facility.fID = worksfor.fID
GROUP BY employee.employeeID
```



Query 17

SELECT DISTINCT researcher.researcher.lD, person.firstName, person.lastName, person.email,

```
assigned.assigned_company,
  assigned.total_hours,
  assigned_team,
  employee.employeeID,
  team.teamLeaderID
FROM
  assigned
    LEFT JOIN
  researcher ON researcher.researcherID = assigned.assigned_researcher
    LEFT JOIN
  employee ON researcherID = employeeID
    LEFT JOIN
  person ON empSSN = person.SSN,
  team
    LEFT JOIN
  company ON team_companyID = company.clD
WHERE
  researcher_companyID = 1
    AND assigned company = 1
```

researcherID	firstName	lastName	email	assigned_company	total_hours	assigned_team	employeeID	teamLeaderID	Team_leade
515	Michael	Hunter	lectus.convallis.est@google.org	1	6000	4	515	515	TeamLeader
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	4	515	515	TeamLeader
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	6	515	515	TeamLeader
526	Fritz	Abel	massa@protonmail.ca	1	2000	6	526	526	TeamLeader
526	Fritz	Abel	massa@protonmail.ca	1	7000	6	526	526	TeamLeader
526	Fritz	Abel	massa@protonmail.ca	1	3000	6	526	526	TeamLeader
188	Uriel	Lewis	Lewis@hotmail.couk	1	5000	4	188	232	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	1000	4	188	232	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	8000	6	188	232	False
359	Bruce	Hop	Hop@google.net	1	4000	4	359	232	False
452	Maggy	Garth	Garth@protonmail.com	1	3000	4	452	232	False
452	Maggy	Garth	Garth@protonmail.com	1	4000	4	452	232	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	6000	4	515	232	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	4	515	232	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	6	515	232	False
526	Fritz	Abel	massa@protonmail.ca	1	2000	6	526	232	False
526	Fritz	Abel	massa@protonmail.ca	1	7000	6	526	232	False
526	Fritz	Abel	massa@protonmail.ca	1	3000	6	526	232	False
549	Alisa	Chandler	Chandler@google.com	1	9000	6	549	232	False
1113	Scott	Hakeem	primis.in@protonmail.net	1	1000	6	1113	232	False
1113	Scott	Hakeem	primis.in@protonmail.net	1	6000	4	1113	232	False
1388	William	Oren	Oren@yahoo.couk	1	8000	6	1388	232	False
1388	William	Oren	Oren@yahoo.couk	1	2000	6	1388	232	False
4700	Ifeoma	Chaney	Chaney@google.net	1	2000	6	4700	232	False
4700	Ifeoma	Chaney	Chaney@google.net	1	4000	6	4700	232	False
5613	Naomi	Oscar	Oscar@hotmail.edu	1	3000	6	5613	232	False
5613	Naomi	Oscar	Oscar@hotmail.edu	1	3500	6	5613	232	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	5000	4	188	775	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	1000	4	188	775	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	8000	6	188	775	False
359	Bruce	Нор	Hop@google.net	1	4000	4	359	775	False
452	Maggy	Garth	Garth@protonmail.com	1	3000	4	452	775	False
452	Maggy	Garth	Garth@protonmail.com	1	4000	4	452	775	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	6000	4	515	775	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	4	515	775	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	6	515	775	False
526	Fritz	Abel	massa@protonmail.ca	1	2000	6	526	775	False
526	Fritz	Abel	massa@protonmail.ca	1	7000	6	526	775	False

526	Fritz	Abel	massa@protonmail.ca	1	7000	6	526	775	False
526	Fritz	Abel	massa@protonmail.ca	1	3000	6	526	775	False
549	Alisa	Chandler	Chandler@google.com	1	9000	6	549	775	False
1113	Scott	Hakeem	primis.in@protonmail.net	1	1000	6	1113	775	False
1113	Scott	Hakeem	primis.in@protonmail.net	1	6000	4	1113	775	False
1388	William	Oren	Oren@yahoo.couk	1	8000	6	1388	775	False
1388	William	Oren	Oren@yahoo.couk	1	2000	6	1388	775	False
4700	Ifeoma	Chaney	Chaney@google.net	1	2000	6	4700	775	False
4700	Ifeoma	Chaney	Chaney@google.net	1	4000	6	4700	775	False
5613	Naomi	Oscar	Oscar@hotmail.edu	1	3000	6	5613	775	False
5613	Naomi	Oscar	Oscar@hotmail.edu	1	3500	6	5613	775	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	5000	4	188	111	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	1000	4	188	111	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	8000	6	188	111	False
359	Bruce	Hop	Hop@google.net	1	4000	4	359	111	False
452	Maggy	Garth	Garth@protonmail.com	1	3000	4	452	111	False
452	Maggy	Garth	Garth@protonmail.com	1	4000	4	452	111	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	6000	4	515	111	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	4	515	111	False
515	Michael	Hunter	lectus.convallis.est@google.org	1	5000	6	515	111	False
526	Fritz	Abel	massa@protonmail.ca	1	2000	6	526	111	False
526	Fritz	Abel	massa@protonmail.ca	1	7000	6	526	111	False
526	Fritz	Abel	massa@protonmail.ca	1	3000	6	526	111	False
549	Alisa	Chandler	Chandler@google.com	1	9000	6	549	111	False
1113	Scott	Hakeem	primis.in@protonmail.net	1	1000	6	1113	111	False
1113	Scott	Hakeem	primis.in@protonmail.net	1	6000	4	1113	111	False
1388	William	Oren	Oren@yahoo.couk	1	8000	6	1388	111	False
1388	William	Oren	Oren@yahoo.couk	1	2000	6	1388	111	False
4700	Ifeoma	Chaney	Chaney@google.net	1	2000	6	4700	111	False
4700	Ifeoma	Chaney	Chaney@google.net	1	4000	6	4700	111	False
5613	Naomi	Oscar	Oscar@hotmail.edu	1	3000	6	5613	111	False
5613	Naomi	Oscar	Oscar@hotmail.edu	1	3500	6	5613	111	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	5000	4	188	515	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	1000	4	188	515	False
188	Uriel	Lewis	Lewis@hotmail.couk	1	8000	6	188	515	False
359	Bruce	Нор	Hop@google.net	1	4000	4	359	515	False
452	Maggy	Garth	Garth@protonmail.com	1	3000	4	452	515	False

Query 18

```
SELECT
person.firstName,
person.lastName,
person.email,
person.SSN,
SUM( total_hours) as total_hrs
FROM
person,
employee,
researcher,
assigned
```

WHERE

assigned.assigned_researcher = researcher.researcherID

```
AND researcher.researcherID = employee.employeeID
AND researcher.researcher_companyID = employee.companyID
AND person.SSN = employee.empSSN
```

GROUP BY SSN ORDER BY total_hours DESC

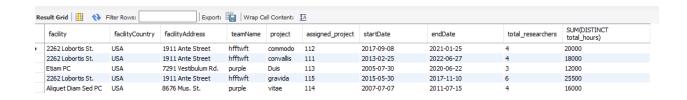
	firstName	lastName	email	SSN	total_hrs
•	Alisa	Chandler	Chandler@google.com	70560	9000
	Demetrius	Prescott	Prescott@outlook.org	30876	13000
	William	Oren	Oren@yahoo.couk	78272	24000
	Ƙiayada	Noble	Noble@icloud.org	24016	15000
	Michael	Hunter	lectus.convallis.est@google.org	896867	16000
	Eleanor	Abraham	Abraham@icloud.com	11561	6000
	Uriel	Lewis	Lewis@hotmail.couk	86600	14000
	Ivory	Aaron	Aaron@icloud.com	14611	5000
	Fritz	Todd	Todd@hotmail.com	80687	5000
	Courtney	Chancellor	Chancellor@hotmail.edu	74136	5000
	Bruce	Нор	Hop@google.net	14191	4000
	Tate	Simon	Simon@outlook.org	40103	4000
	Erica	Jelani	jelani@protonmail.org	99982	20000
	Merritt	Zeph	Zeph@outlook.net	22025	4000
	Lacy	Dedan	Declan@icloud.edu	25036	3000
	Echo	Lee	lee@hotmail.net	88401	3000
	Naomi	Oscar	Oscar@hotmail.edu	63911	6500
	Bryan	Hunter	consequat.enim@aol.couk	958743	10000
	Maggy	Garth	Garth@protonmail.com	79281	7000
	Imelda	Felix	tellus.imperdiet.non@outlook.c	368692	11000
	Briar	Vladimir	Vladimir@aol.org	12069	6000
	Ifeoma	Chaney	Chaney@google.net	80852	6000
	Fritz	Abel	massa@protonmail.ca	152070	12000
	Kelly	Aidan	Aidan@icloud.ca	43097	7000
	Scott	Hakeem	primis.in@protonmail.net	133543	17000

Query 19

SELECT

facility.facilityName AS facility,
facility.facilityCountry,
facility.facilityAddress,
team.teamName,
project.name AS project,
assigned_project,
project.startDate,
project.endDate,
COUNT(DISTINCT assigned.assigned_researcher) AS total_researchers,
SUM(DISTINCT total_hours)

```
FROM
  facility,
  project,
  researcher,
  team.
  assigned,
  company
WHERE
  project_project_companyID = company.cID
    AND company.companyName = 'Pfizer'
    AND facility.facilityType = 'research'
    AND facility.facilityCountry = 'USA'
    AND project.project companyID = assigned company
    AND assigned_project = project.projectID
    AND project.project_teamID = team.teamID
GROUP BY project.name
```



Query 20

```
SELECT
company.cID,
company.companyName,
purchase.purchaseDate,
purchase_item.purchase_item_companyID,
purchase.purchaseID,
purchase_item.purchase_item_purchaseID,
SUM(purchase_item.unitPrice),
SUM(purchase_item.quantity)
FROM
company,
purchase,
purchase,
purchase_item
WHERE
```

company.cID = purchase_item.purchase_item_companyID AND purchase.purchaseID = purchase_item.purchase_item_purchaseID AND purchase.purchaseDate BETWEEN ' 2019-01-01' AND '2022-12-31' GROUP BY purchaseID

۲.											
Re	Result Grid 1										
	cID	companyName	purchaseDate	purchase_item_companyID	purchaseID	purchase_item_purchaseID	SUM(purchase_item.unitPrice)	SUM(purchase_item.quantity)			
•	3	GSK	2022-12-16	3	3	3	100	600			
	3	GSK	2021-06-13	3	4	4	20	100			
	1	Pfizer	2021-03-30	1	5	5	100	200			
	1	Pfizer	2019-02-12	1	6	6	120	500			
	1	Pfizer	2019-10-14	1	7	7	80	400			
	1	Pfizer	2022-06-16	1	8	8	100	300			
	1	Pfizer	2020-01-01	1	9	9	100	500			
	4	Pharma	2021-02-02	4	10	10	10	1000			

SQL Insert Statements

INSERT INTO "

```
('assigned project', 'assigned team', 'assigned facility', 'assigned company', 'assigned resear
cher', 'total hours', 'assigned startDate', 'assigned endDate') VALUES
(111,4,51,1,188,5000,2013-02-25,2022-06-27),
(111,4,51,1,359,4000,2013-02-25,2022-06-27),
(111,4,51,1,452,3000,2013-02-25,2022-06-27)
(111,4,51,1,515,6000,2013-02-25,2022-06-27),
(112,6,71,1,526,2000,2017-09-08,2021-01-25),
(112,6,71,1,549,9000,'2017-09-08','2021-01-25'),
(112,6,71,1,1113,1000,'2017-09-08','2021-01-25'),
(112,6,71,1,1388,8000,2017-09-08,2021-01-25),
(113,6,71,1,526,7000,2005-07-30,2020-06-22),
(113,6,71,1,4700,2000,'2005-07-30','2020-06-22'),
(113,6,71,1,5613,3000,'2005-07-30','2020-06-22'),
(114,4,51,1,188,1000,'2007-07-07','2011-07-15'),
(114,4,51,1,452,4000,2007-07-07,2011-07-15),
(114,4,51,1,515,5000,2007-07-07,2011-07-15),
(114,4,51,1,1113,6000,2007-07-07,2011-07-15),
(115,6,51,1,188,8000,'2015-05-30','2017-11-10'),
(115,6,51,1,515,5000,2015-05-30,2017-11-10)
(115,6,51,1,526,3000,2015-05-30,2017-11-10),
(115,6,51,1,1388,2000,2015-05-30,2017-11-10)
(115,6,51,1,4700,4000,2015-05-30,2017-11-10)
(115,6,51,1,5613,3500,2015-05-30,2017-11-10)
(334,5,53,3,64,8000,'2004-07-19','2012-10-31'),
(334,5,53,3,232,7000,2004-07-19,2012-10-31)
(334,5,53,3,247,3000,'2004-07-19','2012-10-31'),
(334,5,53,3,758,4000,2004-07-19,2012-10-31)
(334,5,53,3,1488,6000,2004-07-19,2012-10-31)
(334,5,53,3,7287,5000,'2004-07-19','2012-10-31'),
(444,2,24,4,387,8000,'2015-07-05','2022-12-16'),
(444,2,24,4,727,3000,'2015-07-05','2022-12-16'),
(444,2,24,4,775,4000,'2015-07-05','2022-12-16'),
(444,2,24,4,898,2000,'2015-07-05','2022-12-16'),
(444,2,24,4,2222,5000,'2015-07-05','2022-12-16'),
(444,2,24,4,4243,4000,'2015-07-05','2022-12-16'),
(445,2,24,4,387,5000,'2009-10-14','2015-05-31'),
(445,2,24,4,727,7000,'2009-10-14','2015-05-31'),
(445,2,24,4,775,6000,'2009-10-14','2015-05-31'),
(445,2,24,4,898,5000,'2009-10-14','2015-05-31');
```

```
INSERT INTO "
('clientID', 'clientPhone', 'clientName', 'clientCountry', 'clientContactName', 'clientAddress', 'client
City`,`clientProvince`,`clientPostalCode`) VALUES
(1,'(331) 629-3875', 'Government Of Canada', 'CA', 'Alexandra Wiley', 'P.O. Box 694, 8517 Egestas
Street', 'Toronot', 'Ontario', '796045'),
(2,'1-352-348-2074','United Nation Health','USA','Jena Dillon','5510 Pede
Rd.','Dallas','Texas','93-785'),
(3,'(126) 564-6788','Walmart','CA','Ori Neal','Ap #348-3879 Diam
Rd.', 'Boryeong', 'Biobío', '865034'),
(4,'(313) 862-2141','Amazon','CA','Erich Estes','Ap #203-1954 Convallis
Av.','Yurimaguas','Istanbul','3838'),
(5,'(388) 729-3864', 'Sams Club', 'CA', 'Indira Mccarty', '758 Faucibus Rd.', 'Bolsward', 'West
Kalimantan', '4227'),
(6,'(243) 871-2524','Mayo Clinic','CA','Chiquita Salas','Ap #905-7239 Elit.
Rd.','Yahvalı','Orenburg Oblast','434934'),
(7,'1-321-391-4603','Walgreens','CA','Erich Everett','9244 Lacus. Rd.','Bilbo','Sakhalin
Oblast', '1036'),
(8,'(318) 156-7317', 'Alpine Medicine', 'USA', 'Ori Snow', '355-728 Ac Ave', 'Cork', 'Van', '6751'),
(9,'1-309-532-6975','John Hopkins','USA','Jakeem Morrison','997-3753 Non
St.','Concón','Veneto','27665'),
(10,'1-925-467-7481','Harvard Medical School','USA','Iliana Kelly','817-834 Risus.
St.','Baddeck','North Gyeongsang','20647');
INSERT INTO `` (`cID`, `ceoID`, `headOfficeID`, `companyName`) VALUES (1,511,11,'Pfizer');
(2,209,12,'Moderna'),
(3,108,13,'GSK'),
(4,949,14,'Pharma'),
(5,7846,15,'Roche');
INSERT INTO "
('contractID', 'client clientID', 'purchase purchaseID', 'company companyID', 'employee of co
mpany`,`client_employee`) VALUES (2,4,6,1,359,'Roger Adams').
(3,5,7,1,452,'Sam West'),
(4,6,8,1,511,'Bob Hill'),
(5,7,9,1,515,'David Green'),
(6,8,1,1,515,'Clark Brown'),
(7,2,10,2,2323,'Jimmy Sampson'),
(8,10,3,3,108,'Vicky Tanner'),
(9,9,4,3,232,'Emily Watson'),
(10,3,11,4,727,'Tiffany Rock'),
(11,4,12,4,898,'Angela Johnson'),
(12,9,13,5,1515,'Mindy Moore'),
(13,10,14,5,3114,'Patty F');
```

```
INSERT INTO `` ('employeeID', 'companyID', 'empSSN') VALUES (721,3,11561);
(758,3,12069),
(359,1,14191),
(7287, 3, 14611),
(2470,2,22025),
(64,3,24016),
(485,2,25036),
(387,4,30876),
(4243,4,40103),
(898,4,43097),
(949,3,62120),
(5613,1,63911),
(549,1,70560),
(5164, 2, 74136),
(138, 2, 78272),
(1388, 1, 78272),
(1488, 3, 78272),
(452,1,79281),
(193,2,80687),
(4700, 1, 80852),
(188,1,86600),
(633,3,88401),
(775,4,99982),
(111, 2, 133543),
(1112,3,133543),
(1113,1,133543),
(526,1,152070),
(511,1,167885),
(232,2,285646),
(7846,5,357711),
(247,3,368692),
(2222,4,368692),
(2323,2,368692),
(9882,5,405966),
(114,2,420063),
(1762,5,473020),
(209,4,479371),
(1729,5,486823),
(3114,5,601679),
(3265,5,673110),
(108,1,740241),
(6766,5,807667),
(1515,5,814964),
(515,1,896867),
```

```
(5916,5,912152),
6081,5,947072),
(727,4,958743);
```

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (11,1,'Head','O7C 0M3','Ullamcorper Viverra','1-104-198-1624','P.O. Box 437, 6630 Blandit St.','USA','Felixstowe','California'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (12,2,'Head','T3Y 0K5','Nulla Eget Incorporated','(880) 214-8775','1519 Tortor, St.','CA','Calgary','Alberta'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (13,3,'Head','OB8 7JG','Quis Arcu Vel Inc.','1-277-734-7264','9834 Egestas St.','CA','Ottawa','Ontario'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (14,4,'Head','T7J 5ND','Integer LLP','1-616-275-7823','573 Dui St.','USA','Watson Lake','Virginia'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (15,5,'Head','Y3H 4E3','Magnis Inc.','1-872-834-0472','4025 Ipsum Street','CA','Collins','New Brunswick'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (21,1,'warehouse','93038','Litora Foundation','(411) 638-7177','331-6829 Fusce Av.','CA','Stonewall','Connecticut'); INSERT INTO ``

('fID', 'companyID', 'facilityType', 'facilityPostalCode', 'facilityName', 'facilityPhone', 'facilityAddre ss', 'facilityCountry', 'facilityCity', 'facilityProvince') VALUES (22,2, 'warehouse', '32C 3M8', 'Non Quam Inc.', '1-953-863-9326', '3496 Ut Ave', 'USA', 'Rochester', 'Cambridgeshire'); INSERT INTO '`

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (23,3,'research','H54 2BB','Sollicitudin Incorporated','(384) 235-8208','2205 Accumsan Av.','CA','Montreal','Quebec'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (24,4,'research','56387','Augue Foundation','1-414-865-7116','4145 At Road','USA','Minneapolis','Missouri'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre

ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (25,5,'warehouse','U4N 3K4','5500 Donec St.','1-641-812-8212','5586 Ullamcorper. Avenue','USA','Stonewall','Manitoba'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (31,1,'factory','K5A 5E3','Feugiat PC','(982) 997-8816','1783 Ac Av','UK','Ledbury','Nottinghamshire'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (32,2,'factory','IU82 4WI','Pellentesque Ut Ipsum LLP','1-392-278-1263','1566 Vitae St','UK','Uppingham','Buckinghamshire'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (33,3,'factory','y7E 8X1','Elit Incorporated','1-271-919-0771','7476 Ullamcorper Road','CA','Quebec','Quebec'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (35,5,'research','51728','2262 Lobortis St.','1-611-760-6366','1911 Ante Street','USA','Jackson','Washington'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (41,1,'factory','S0K 4C8','Nisi Mauris Nulla','1-123-747-9561','696 Faucibus St.','CA','Stratford','Newfoundland and Labrador'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (42,2,'research','44272','Ultrices Institute','1-817-469-7572','8046 Sed Avenue','USA','Denver','Mississippi'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (43,3,'warehouse','RN7 3BI','Morbi Company','1-787-734-6633','835 Metus. Ave','USA','Saint John','Hawaii'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (45,5,'factory','60567','5804 Imperdiet Rd.','1-218-841-1298','9392 Quis, Ave','USA','Springfield','Oregon'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (51,1,'research','55393','Aliquet Diam Sed PC','(252) 488-8450','8676 Mus. St.','USA','Houston','Texas'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (53,3,'research','U4N 3K4','Pellentesque Foundation','(663) 336-2454','3626 Urna, Street','UK','Monmouth','Lancashire');

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (61,1,'warehouse','T6M 1P1','Vitae Velit Ltd','1-803-318-6117','843 Elementum St.','CA','Charlottetown','British Columbia'); INSERT INTO ``

(`fID`,`companyID`,`facilityType`,`facilityPostalCode`,`facilityName`,`facilityPhone`,`facilityAddre ss`,`facilityCountry`,`facilityCity`,`facilityProvince`) VALUES (71,1,'research','M8E 8ME','Etiam PC','1-591-286-5832','7291 Vestibulum Rd.','USA','Haverfordwest','Ontario');

```
INSERT INTO `` ('headFID`, 'companyID`, 'email', 'website`) VALUES
(11,1,'contact@pfizer.com', 'www.pzfier.com');
INSERT INTO `` ('headFID`, 'companyID`, 'email', 'website`) VALUES
(12,2,'contact@moderna.com', 'www.mderna.com');
INSERT INTO `` ('headFID`, 'companyID`, 'email', 'website`) VALUES
(13,3, 'help@gsk.com', 'www.gsk.com');
INSERT INTO `` ('headFID`, 'companyID`, 'email', 'website`) VALUES
(14,4,'contact@pharma.com', 'www.pharma.com');
INSERT INTO `` ('headFID`, 'companyID`, 'email', 'website`) VALUES
(15,5,'roche@roche.com', 'www.roche.com');
INSERT INTO `` ('ManufacturingFID`, 'companyID`, 'productionCap`) VALUES (31,1,7800);
INSERT INTO `` ('ManufacturingFID`, 'companyID`, 'productionCap`) VALUES (33,3,2000);
INSERT INTO `` ('ManufacturingFID`, 'companyID`, 'productionCap`) VALUES (41,1,5000);
INSERT INTO `` ('ManufacturingFID`, 'companyID`, 'productionCap`) VALUES (41,1,5000);
INSERT INTO `` ('ManufacturingFID`, 'companyID`, 'productionCap`) VALUES (45,5,9000);
INSERT INTO `` ('ManufacturingFID`, 'companyID`, 'productionCap`) VALUES (45,5,9000);
```

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (11561,'Eleanor','Abraham','USA','62Y 4M2','Delaware','Abraham@icloud.com','P.O. Box 417, 7345 Amet Avenue','Gresham','148088','Canada','(571) 334-3420'); INSERT INTO ``
(`SSN\`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`citv`,`cala

 $\label{lem:continuous} $$(SN',`firstName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES$

(12069, 'Briar', 'Vladimir', 'UK', '92597', 'Florida', 'Vladimir@aol.org', '196-7353 Felis Road', 'Nashville', '87479', 'United Kingdom', '(454) 763-2154'); INSERT INTO ``

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (14191,'Bruce','Hop','CA','K6B 6B3','Ontario','Hop@google.net','Ap #467-5590 Non, Street','Pointe-au-Pic','107070','United Kingdom','(546) 492-1214');

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (14611,'Ivory','Aaron','USA','V6L

1X3','Alberta','Aaron@icloud.com','P.O. Box 391, 702 Venenatis Rd.','Fort Good

Hope','114093','United States','1-222-716-3606');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (22025,'Merritt','Zeph','CA','72241','Nova

Scotia','Zeph@outlook.net','124-4505 Turpis. Rd.','Lakewood','73093','United States','(686) 614-0742');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (24016,'Kiayada','Noble','UK','EL9 3JP','Newfoundland and Labrador','Noble@icloud.org','Ap #892-2555 Lorem Road','Fort

Laird','110157','Canada','1-278-766-3375');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (25036,'Lacy','Declan','USA','d3V

0B6','Utah','Declan@icloud.edu','Ap #675-4828 Aliquam St.','Portland','67253','United States','(885) 895-8413');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (30876,'Demetrius','Prescott','USA','TS2

2FW','Nunavut','Prescott@outlook.org','372-7847 Vulputate, Rd.','Wichita','79881','United Kingdom','(577) 451-2942');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (40103,'Tate','Simon','UK','T1

2QE', 'Yukon', 'Simon@outlook.org', '219-4983 Tincidunt Av.', 'Hamilton', '74004', 'Canada', '(379) 868-3375');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (43097,'Kelly','Aidan','UK','94613','Northwest

Territories','Aidan@icloud.ca','P.O. Box 150, 6199 Duis Avenue','Wha

Ti','102993','Canada','1-608-672-6155');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (62120,'Christian','Grady','USA','S7W

5L1', 'Florida', 'malesuada.malesuada@outlook.ca', 'P.O. Box 395, 3484 Convallis

Road','Miami','95000','United States','1-392-751-3318'); INSERT INTO ``

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (63911,'Naomi','Oscar','USA','FQ48

```
4IE','Cardiganshire','Oscar@hotmail.edu','Ap #406-8686 Lorem, St.','Penicuik','131037','United Kingdom','1-274-226-9621');
```

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (70560,'Alisa','Chandler','CA','Y3W

8T1','Alberta','Chandler@google.com','7338 Ac Avenue','Hudson Bay','106379','Canada','(999) 385-6761');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES

(74136, 'Courtney', 'Chancellor', 'UK', '45114', 'Dorset', 'Chancellor@hotmail.edu', 'Ap #531-1288 Suspendisse Road', 'West Jordan', '140954', 'United States', '(122) 494-6580');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (78272,'William','Oren','UK','54T

7E4','Mississippi','Oren@yahoo.couk','816 Donec Road','Stratford','86536','Canada','(833) 545-2888');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (79281,'Maggy','Garth','CA','TK7

9EQ','Florida','Garth@protonmail.com','146-1495 Ante St.','Saint-Laurent','101478','United States','(785) 857-2212');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (80687,'Fritz','Todd','CA','P8

6NF','Leicestershire','Todd@hotmail.com','217-5081 Faucibus. Rd.','Whitehorse','82183','United States','1-114-713-2337');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (80852,'Ifeoma','Chaney','CA','H1

7WV', 'Colorado', 'Chaney@google.net', '2961 Porttitor St.', 'Flin Flon', '114563', 'Canada', '(596) 289-9751');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES

(86600, 'Uriel', 'Lewis', 'CA', '81546', 'Arizona', 'Lewis@hotmail.couk', '872-9459 Est

St.','Columbus','67795','Canada','(582) 212-4334');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (88401,'Echo','Lee','UK','FI4

8LZ', 'Derbyshire', 'lee@hotmail.net', '188-7323 Dictum

Street', 'Haverfordwest', '93411', 'Canada', '1-772-627-4768');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala

```
ry`,`country`,`phone`) VALUES (99982,'Erica','Jelani','USA','52N
8V6', 'Montana', 'jelani@protonmail.org', 'Ap #202-4422 In
Av.','Eyemouth','110173','Canada','(128) 114-8717');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES (133543,'Scott','Hakeem','CA','G9B
1T7','Quebec','primis.in@protonmail.net','7022 CDN, Avenue','Quebec','60000','Canada','(963)
162-9052');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES (152070,'Fritz','Abel','UK','C2E
4J0', 'Nairnshire', 'massa@protonmail.ca', '445-8312 Aliguam Road', 'Nairn', '78000', 'United
Kingdom', '1-566-282-1877');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES
(167885, 'Judah', 'Josiah', 'UK', '31754', 'Quebec', 'in.dolor@yahoo.org', '1164 NDG
Ave', 'Montreal', '870000', 'Canada', '1-465-276-7444');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES (285646,'Paki','Ethan','USA','E1X
2H3','Nebraska','nibh@aol.com','4809 Nec Ave','Omaha','65000','United
States','1-202-491-5776');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES
(357711, 'Hasad', 'Edan', 'Canada', '673574', 'Ontario', 'hasad-edan@yahoo.couk', 'Ap #539-5000
Diam. Rd.', 'Chesapeake', '128164', 'Germany', '1-767-361-6771');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES
(368692, 'Imelda', 'Felix', 'UK', '46023', 'Yorkshire', 'tellus.imperdiet.non@outlook.com', 'P.O. Box
374, 7145 Semper St.', 'York', '77000', 'United Kingdom', '1-728-706-7640');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES (405966,'Ursula','Zachary','United
Kingdom', '2676', 'Derbyshire', 'zachary_ursula@yahoo.com', 'P.O. Box 314, 9704 Tempor
St.', 'Austin', '123274', 'United Kingdom', '(847) 877-3014');
INSERT INTO "
(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala
ry`,`country`,`phone`) VALUES (420063,'Roanna','Darius','UK','R0X
7C2', 'Banffshire', 'cursus.nunc.mauris@protonmail.net', '593-6511 Sapien,
Av.','Cullen','80000','United Kingdom','1-382-738-7972');
```

```
INSERT INTO "
```

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (473020,'Seth','Axel','United

Kingdom', '517860', 'Ontario', 's_axel4191@google.com', 'Ap #197-2575 Nonummy

Avenue', 'Philadelphia', '107236', 'Ukraine', '(268) 423-2723');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (479371,'Patrick','Samuel','UK','MW9C

5RL', 'Washington', 'risus.in@icloud.org', '167-7649 Lectus. Avenue', 'Seattle', '110000', 'United States', '1-812-556-3272');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES (486823,'Bradley','Derek','United

States','83842','Buteshire','bderek@yahoo.couk','Ap #818-4005 Urna. St.','Saint John','115916','France','1-316-571-6301');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (601679,'Thor','Aidan','Canada','50985','West Lothian','aidanthor@outlook.couk','Ap #894-4793 Massa.

Rd.','Houston','96186','Canada','1-242-165-4148');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`salary`,`country`,`phone`) VALUES

(673110, 'Lani', 'Forrest', 'Canada', '3315', 'Mississippi', 'forrest_lani3216@outlook.net', '7293 A Ave', 'Milford Haven', '63681', 'South Africa', '(629) 774-3177');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES

(740241, 'Brynne', 'Michael', 'CA', '87191', 'Mississippi', 'mauris.quis@icloud.net', '922-1088 Nibh. Road', 'Oxford', '100000', 'United States', '(651) 329-6051');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES

(807667, 'Martin', 'Amir', 'Canada', '879148', 'Alabama', 'm.amir@protonmail.com', '8857 Proin St.', 'Stratford', '69216', 'Peru', '1-257-521-1251');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (814964,'Fatima','Wade','United States','COT

6K1','Clackmannanshire','f_wade9594@aol.couk','858-9767 Lobortis

St.','Jedburgh','108615','Poland','1-645-831-3167');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (896867,'Michael','Hunter','CA','JT6D 5NP','Nova

```
Scotia', 'lectus.convallis.est@google.org', 'Ap #541-4438 Convallis,
```

Street', 'Westmount', '77000', 'Canada', '1-285-173-3210');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (912152,'Rhonda','Price','United States','89830','West

Lothian', 'price.rhonda9180@google.edu', '5792 Scelerisque Av.', 'East

Linton','56428','Indonesia','(714) 613-7176');

INSERT INTO "

(`SSN`,`firstName`,`lastName`,`citizenship`,`postalCode`,`province`,`email`,`address`,`city`,`sala ry`,`country`,`phone`) VALUES (947072,'Zeus','Judah','United

States','91-878','Minnesota','zeus-judah@aol.com','Ap #866-3497 Nec,

Street', 'Kircudbright', '55389', 'Singapore', '1-447-346-8924');

INSERT INTO "

Columbia', 'consequat.enim@aol.couk', 'Ap #160-8816 Lacus.

St.','Vancouver','70000','Canada','1-962-668-7678');

INSERT INTO "

 $\label{lem:company} \begin{tabular}{ll} (`productID`,`productDescription`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (1,1,'Vaccine of the company) \begin{tabular}{ll} (1,1,'Vaccine of the company)$

Pfizer','100000','100','PFZ123','2','Pfizer vaccine','Available');

INSERT INTO "

 $\label{lem:company} (`productID`,`productPrice`,`UPC`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (2,1,'Bandages of the company of the co$

Pfizer', '50000', '15', 'PFZ101', '3', 'Pfizer_bandages', 'Not Available');

INSERT INTO "

 $\label{lem:company} (`productID`,`productPrice`,`UPC`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (3,2,'Vaccine of the company of the com$

Moderna','200000','110','MD123','4','Moderna_vaccine','Available');

INSERT INTO "

(`productID`,`product_company`,`productDescription`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (4,2,'Bandages of Moderna','55555','10','MD202','3','Moderna bandages','Not Available');

INSERT INTO "

('productID', 'product_company', 'productDescription', 'productVolume', 'productPrice', 'UPC', 'productWeight', 'productName', 'productStatus') VALUES (5,3,'Vaccine of GSK','300000','200','GSK123','2','GSK_vaccine','Available');

INSERT INTO "

('productID', 'product_company', 'productDescription', 'productVolume', 'productPrice', 'UPC', 'productWeight', 'productName', 'productStatus') VALUES (6,3,'Bandages of GSK','15555','20','GSK222','1','GSK bandages','Available');

(`productID`,`product_company`,`productDescription`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (7,4,'Vaccine of

Pharma', '5000', '10', 'Pharma123', '3', 'Pharma_vaccine', 'Not Available');

INSERT INTO "

(`productID`,`product_company`,`productDescription`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (8,4,'Bandages of

Pharma', '10000', '30', 'Pharma67', '3', 'Pharma_bandages', 'Not Available');

INSERT INTO "

(`productID`,`product_company`,`productDescription`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (9,5,'Vaccine

Roche','200000','50','Roche123','2','RocheVaccine','Available');

INSERT INTO "

(`productID`,`product_company`,`productDescription`,`productVolume`,`productPrice`,`UPC`,`productWeight`,`productName`,`productStatus`) VALUES (10,5,'Bandages of Roche','4000','10','Roche2','1','RocheBandages','Available');

INSERT INTO "

('projectID', 'project_teamID', 'project_facilityID', 'project_companyID', 'startDate', 'endDate', 'na me') VALUES (111,1,51,1,'2013-02-25','2022-06-27','conval');

INSERT INTO "

 $\label{lem:companyID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`name`) VALUES (112,1,71,1,'2017-09-08','2021-01-25','commodo');$

INSERT INTO "

 $\label{lem:companylo} $$ (`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`name`) VALUES (113,6,51,1,'2005-07-30','2020-06-22','Duis');$

INSERT INTO "

 $\label{lem:companylD`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`name`) VALUES (114,6,51,1,'2007-07-07','2011-07-15','vitae');$

INSERT INTO "

(`projectID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`na me`) VALUES (115,1,51,1,'2015-05-30','2017-11-10','gravida');

INSERT INTO "

 $\label{lem:companyID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`name`) VALUES (222,3,42,2,'2015-03-03','2019-03-12','lorem');$

INSERT INTO "

 $\label{lem:companylD',`project_teamlD`,`project_facilitylD`,`project_companylD`,`startDate`,`endDate`,`name`) VALUES (223,3,42,2,'2006-12-02','2019-09-21','lectus');$

INSERT INTO "

('projectID', 'project_teamID', 'project_facilityID', 'project_companyID', 'startDate', 'endDate', 'na me') VALUES (333,1,23,3,'2015-02-02','2021-03-12','nisi');

```
INSERT INTO `` (`projectID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`na me`) VALUES (334,5,53,3,'2004-07-19','2012-10-31','vestibulum'); INSERT INTO `` (`projectID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`na me`) VALUES (444,2,24,4,'2015-07-05','2022-12-16','Nunc'); INSERT INTO ``
```

(`projectID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`na me`) VALUES (445,2,24,4,'2009-10-14','2015-05-31','Nullam');

INSERT INTO "

 $\label{lem:companylo} $$ (`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`name`) VALUES (555,7,35,5,'2016-06-27','2020-01-18','tellus');$

INSERT INTO "

(`projectID`,`project_teamID`,`project_facilityID`,`project_companyID`,`startDate`,`endDate`,`na me`) VALUES (556,7,35,5,'2020-06-27','2021-01-23','dolor'); INSERT INTO ``

('projectID', 'project_teamID', 'project_facilityID', 'project_companyID', 'startDate', 'endDate', 'na me') VALUES (777,1,51,1,'2009-01-10','2022-02-13','ugu');

```
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (1,'2010-09-20');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (2,'2011-10-15');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (3,'2022-12-16');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (4,'2021-06-13');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (5,'2021-03-30');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (6, '2019-02-12');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (7,'2019-10-14');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (8,'2022-06-16');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (9,'2020-01-01');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (10,'2021-02-02');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (11,'2018-01-01');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (12,'2017-01-01');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (13,'2023-01-01');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (14,'2021-09-03');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (15,'2022-05-05');
INSERT INTO `` (`purchaseID`, `purchaseDate`) VALUES (16,'2022-07-08');
```

INSERT INTO "

 $\label{lem_product_lower} $$(`purchase_item_product_lD`,`purchase_item_purchase_lD`,`quantit y`,`unitPrice`) VALUES (1,1,1,500,50);$

INSERT INTO "

(`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (1,1,5,200,100);

```
INSERT INTO `` (`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (1,1,6,500,120);
```

y`,`unitPrice`) VALUES (1,1,6,500,120); INSERT INTO ``

(`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (1,1,7,400,80);

INSERT INTO "

('purchase_item_productID', 'purchase_item_companyID', 'purchase_item_purchaseID', 'quantit y', 'unitPrice') VALUES (1,1,8,300,100);

INSERT INTO "

(`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (1,1,9,500,100);

INSERT INTO "

(`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (3,2,2,400,150);

INSERT INTO "

(`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (5,3,3,600,100);

INSERT INTO "

('purchase_item_productID', 'purchase_item_companyID', 'purchase_item_purchaseID', 'quantit y', 'unitPrice') VALUES (6,3,4,100,20);

INSERT INTO "

('purchase_item_productID', 'purchase_item_companyID', 'purchase_item_purchaseID', 'quantit y', 'unitPrice') VALUES (7,4,10,1000,10);

INSERT INTO "

 $\label{lem_product_p$

INSERT INTO "

 $\label{lem_product_p$

INSERT INTO "

(`purchase_item_productID`,`purchase_item_companyID`,`purchase_item_purchaseID`,`quantit y`,`unitPrice`) VALUES (10,5,13,1000,20);

```
INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (188,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (359,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (452,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (515,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (526,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (549,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (1113,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (1388,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (4700,1); INSERT INTO `` ('researcherID`, 'researcher_companyID`) VALUES (5613,1);
```

```
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (111,2);
INSERT INTO `` (`researcherID`, `researcher_companyID`) VALUES (138,2);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (193,2);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (485,2);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (2323,2);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (2470,2);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (5164,2);
INSERT INTO `` ('researcherID', 'researcher companyID') VALUES (64,3);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (232,3);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (247,3);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (633,3);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (721,3);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (758,3);
INSERT INTO `` ('researcherID', 'researcher companyID') VALUES (1112,3);
INSERT INTO "('researcherID', 'researcher companyID') VALUES (1488.3);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (7287,3);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (387,4);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (727.4);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (775,4);
INSERT INTO `` (`researcherID`, 'researcher companyID`) VALUES (898,4);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (2222,4);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (4243,4);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (1515,5);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (1729,5);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (1762,5);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (3114,5);
INSERT INTO `` (`researcherID`, `researcher_companyID`) VALUES (3265,5);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (5916,5);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (6081,5);
INSERT INTO `` (`researcherID`, `researcher_companyID`) VALUES (6766,5);
INSERT INTO `` (`researcherID`, `researcher companyID`) VALUES (9882,5);
INSERT INTO `` (`ResearchFID`,`Research companyID`) VALUES (51,1);
INSERT INTO `` (`ResearchFID`,`Research companyID`) VALUES (71,1);
INSERT INTO `` (`ResearchFID`, `Research companyID`) VALUES (42,2);
INSERT INTO `` (`ResearchFID`,`Research companyID`) VALUES (23,3);
INSERT INTO `` (`ResearchFID`,`Research_companyID`) VALUES (53,3);
INSERT INTO `` (`ResearchFID`, `Research companyID`) VALUES (24,4);
INSERT INTO `` (`ResearchFID`,`Research companyID`) VALUES (35,5);
```

INSERT INTO "

('teamID', 'team_researchFID', 'team_companyID', 'teamName', 'teamLeaderID') VALUES (2,24,4,'Blue',775);

INSERT INTO "

('teamID', 'team_researchFID', 'team_companyID', 'teamName', 'teamLeaderID') VALUES (4,51,1,'Orange',515);

INSERT INTO "

('teamID', 'team_researchFID', 'team_companyID', 'teamName', 'teamLeaderID') VALUES (5,53,3, 'Green',247);

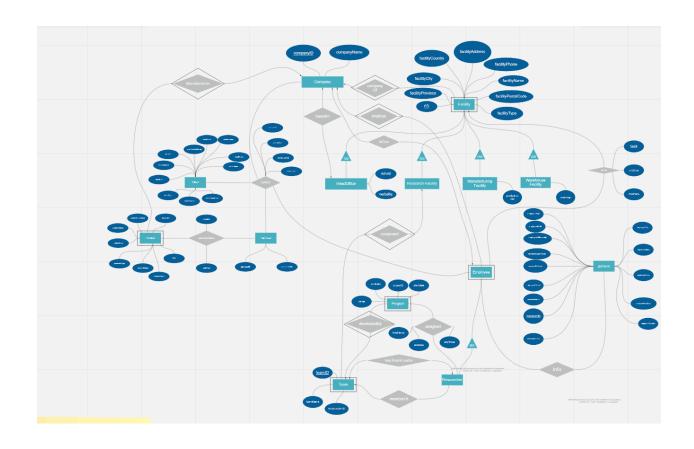
INSERT INTO "

('teamID`, 'team_researchFID`, 'team_companyID`, 'teamName`, 'teamLeaderID`) VALUES (6,71,1,'purple',526);

INSERT INTO "

('teamID', 'team_researchFID', 'team_companyID', 'teamName', 'teamLeaderID') VALUES (7,35,5,'White',1515);

INSERT INTO `` (`warehouseFID`,`companyID`,`maxcap`) VALUES (21,1,8445); INSERT INTO `` (`warehouseFID`,`companyID`,`maxcap`) VALUES (22,2,9649); INSERT INTO `` (`warehouseFID`,`companyID`,`maxcap`) VALUES (25,5,9925); INSERT INTO `` (`warehouseFID`,`companyID`,`maxcap`) VALUES (43,3,5171); INSERT INTO `` (`warehouseFID`,`companyID`,`maxcap`) VALUES (61,1,2247);



https://miro.com/app/board/uXjVON71HgE=/

Contribution

	1				
ER Diagram	William Chittavong & Fadi Girgis				
DB design	William Chittavong & Fadi Girgis				
DB values	William Chittavong & Fadi Girgis				
ER conversion	William Chittavong & Fadi Girgis				
FDs	William Chittavong & Fadi Girgis				
Query11	Neemtallah Attie & Laurent Romulus				
Query12	Neemtallah Attie & Laurent Romulus				
Query13	Fadi Girgis				
Query14	Fadi Girgis				
Query15	Fadi Girgis				
Query16	Fadi Girgis				
Query17	Fadi Girgis				
Query18	William Chittavong				
Query19	William Chittavong				
Query20	William Chittavong				
Insert Statements	Fadi Girgis				
Create Statement	William Chittavong				
GUI	Neemtallah Attie & Laurent Romulus & William Chittavong				

CREATE TABLES STATEMENTS

-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

```
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0;
SET @OLD SQL MODE=@@SQL MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_
ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
-- Schema mydb
-- Schema qoc353 4
-- Schema goc353 4
CREATE SCHEMA IF NOT EXISTS 'qoc353_4' DEFAULT CHARACTER SET utf8 COLLATE
utf8 unicode ci;
USE `qoc353_4`;
-- Table `qoc353_4`.`person`
______
CREATE TABLE IF NOT EXISTS 'goc353 4'.'person' (
'SSN' INT NOT NULL,
`firstName` VARCHAR(45) NULL DEFAULT NULL,
`lastName` VARCHAR(45) NULL DEFAULT NULL,
`citizenship` VARCHAR(45) NULL DEFAULT NULL,
 'postalCode' VARCHAR(45) NULL DEFAULT NULL,
 'province' VARCHAR(45) NULL DEFAULT NULL,
 'email' VARCHAR(45) NULL DEFAULT NULL,
 'address' VARCHAR(45) NULL DEFAULT NULL,
 'city' VARCHAR(45) NULL DEFAULT NULL,
 'salary' VARCHAR(45) NULL DEFAULT NULL,
`country` VARCHAR(45) NULL DEFAULT NULL,
 'phone' VARCHAR(45) NULL DEFAULT NULL,
PRIMARY KEY ('SSN'))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8
COLLATE = utf8_unicode_ci;
-- Table `qoc353_4`.`employee`
```

```
CREATE TABLE IF NOT EXISTS 'qoc353_4'.'employee' (
 `employeeID` INT NOT NULL,
 `companyID` INT NOT NULL,
 'empSSN' INT NOT NULL,
 PRIMARY KEY ('employeeID', 'companyID'),
 INDEX 'companyID idx' ('companyID' ASC) VISIBLE,
 INDEX 'empSSN_idx' ('empSSN' ASC) VISIBLE,
 CONSTRAINT `companyID`
  FOREIGN KEY ('companyID')
  REFERENCES 'qoc353 4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'empSSN'
  FOREIGN KEY ('empSSN')
  REFERENCES 'qoc353_4'.'person' ('SSN')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `qoc353_4`.`facility`
______
CREATE TABLE IF NOT EXISTS 'qoc353_4'.'facility' (
 `fID` INT NOT NULL,
 `companyID` INT NOT NULL,
 `facilityType` VARCHAR(45) NULL DEFAULT NULL,
 `facilityPostalCode` VARCHAR(45) NULL DEFAULT NULL,
 `facilityName` VARCHAR(45) NULL DEFAULT NULL,
 `facilityPhone` VARCHAR(45) NULL DEFAULT NULL,
 'facilityAddress' VARCHAR(45) NULL DEFAULT NULL,
 `facilityCountry` VARCHAR(45) NULL DEFAULT NULL,
 `facilityCity` VARCHAR(45) NULL DEFAULT NULL,
 `facilityProvince` VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('fID', 'companyID'),
 INDEX 'companyID_idx' ('companyID' ASC) VISIBLE,
 CONSTRAINT 'facility companyID'
  FOREIGN KEY ('companyID')
  REFERENCES 'qoc353_4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
```

```
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table 'qoc353 4'.'company'
CREATE TABLE IF NOT EXISTS 'goc353 4'.'company' (
 'cID' INT NOT NULL,
 'ceoID' INT NULL DEFAULT NULL,
 'headOfficeID' INT NULL DEFAULT NULL,
 `companyName` VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('cID'),
 INDEX `company_ceoID_idx` (`ceoID` ASC) VISIBLE,
 INDEX `company_headOfficeID_idx` (`headOfficeID` ASC) VISIBLE,
 CONSTRAINT `company_ceoID`
  FOREIGN KEY ('ceoID')
  REFERENCES 'qoc353_4'.'employee' ('employeeID')
  ON DELETE CASCADE
  ON UPDATE CASCADE.
 CONSTRAINT `company_headOfficeID`
  FOREIGN KEY ('headOfficeID')
  REFERENCES 'goc353 4'. 'facility' ('fID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
-- Table `qoc353_4`.`project`
CREATE TABLE IF NOT EXISTS 'goc353 4'.'project' (
 'projectID' INT NOT NULL,
 `project_teamID` INT NOT NULL,
 'project facilityID' INT NOT NULL,
 `project_companyID` INT NOT NULL,
 `startDate` DATE NULL DEFAULT NULL,
 `endDate` DATE NULL DEFAULT NULL,
 'name' VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('projectID', 'project teamID', 'project facilityID', 'project companyID'),
 INDEX `project_teamID_idx` (`project_teamID` ASC) VISIBLE,
```

```
INDEX 'project facilityID idx' ('project facilityID' ASC) VISIBLE,
 INDEX `project_companyID_idx` (`project_companyID` ASC) VISIBLE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `qoc353 4`.`researcher`
CREATE TABLE IF NOT EXISTS 'goc353 4'. researcher' (
 `researcherID` INT NOT NULL,
 'researcher companyID' INT NOT NULL,
 PRIMARY KEY ('researcherID', 'researcher_companyID'),
 INDEX 'Researcher companyID idx' ('researcher companyID' ASC) VISIBLE,
 CONSTRAINT 'Researcher companyID'
  FOREIGN KEY ('researcher_companyID')
  REFERENCES 'goc353 4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'Researcher researcherID'
  FOREIGN KEY (`researcherID`)
  REFERENCES 'goc353 4'.'employee' ('employeeID'))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `qoc353 4`.`team`
CREATE TABLE IF NOT EXISTS 'goc353 4'.'team' (
 'teamID' INT NOT NULL,
 'team researchFID' INT NOT NULL,
 'team companyID' INT NOT NULL,
 `teamName` VARCHAR(45) NULL DEFAULT NULL,
 `teamLeaderID` INT NULL DEFAULT NULL,
 PRIMARY KEY ('teamID', 'team researchFID', 'team companyID'),
 INDEX `team_researchFID_idx` (`team_researchFID` ASC) VISIBLE,
 INDEX `team_companyID_idx` (`team_companyID` ASC) VISIBLE,
 CONSTRAINT 'team companyID'
  FOREIGN KEY ('team companyID')
  REFERENCES 'qoc353 4'.'company' ('cID')
  ON DELETE CASCADE
```

```
ON UPDATE CASCADE.
 CONSTRAINT `team_researchFID`
  FOREIGN KEY ('team researchFID')
  REFERENCES 'goc353 4'. 'facility' ('fID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `qoc353 4`.`assigned`
CREATE TABLE IF NOT EXISTS 'goc353 4'.'assigned' (
 'assigned project' INT NOT NULL,
 `assigned_team` INT NOT NULL,
 `assigned facility` INT NOT NULL,
 'assigned company' INT NOT NULL,
 'assigned researcher' INT NOT NULL,
 `total hours` INT NULL DEFAULT NULL,
 `assigned_startDate` DATE NULL DEFAULT NULL,
 'assigned endDate' DATE NULL DEFAULT NULL,
 PRIMARY KEY ('assigned project', 'assigned team', 'assigned facility',
`assigned_company`, `assigned_researcher`),
 INDEX 'assigned team idx' ('assigned team' ASC) VISIBLE,
 INDEX `assigned_facility_idx` (`assigned_facility` ASC) VISIBLE,
 INDEX 'assigned company idx' ('assigned company' ASC) VISIBLE,
 INDEX `assigned_researcher_idx` (`assigned_researcher` ASC) VISIBLE,
 CONSTRAINT `assigned_company`
  FOREIGN KEY ('assigned company')
  REFERENCES 'goc353 4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'assigned facility'
  FOREIGN KEY ('assigned facility')
  REFERENCES 'qoc353_4'.'facility' ('fID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'assigned project'
  FOREIGN KEY ('assigned project')
  REFERENCES 'qoc353_4'.'project' ('projectID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
```

```
CONSTRAINT 'assigned researcher'
  FOREIGN KEY ('assigned_researcher')
  REFERENCES 'goc353 4'.'researcher' ('researcherID')
  ON DELETE CASCADE
  ON UPDATE CASCADE.
 CONSTRAINT 'assigned team'
  FOREIGN KEY ('assigned team')
  REFERENCES 'qoc353_4'.'team' ('teamID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `qoc353 4`.`clients`
-- -----
CREATE TABLE IF NOT EXISTS 'qoc353_4'.'clients' (
 'clientID' INT NOT NULL,
 'clientPhone' VARCHAR(45) NULL DEFAULT NULL,
 `clientName` VARCHAR(45) NULL DEFAULT NULL,
 `clientCountry` VARCHAR(45) NULL DEFAULT NULL,
 `clientContactName` VARCHAR(45) NULL DEFAULT NULL,
 `clientAddress` VARCHAR(45) NULL DEFAULT NULL,
 `clientCity` VARCHAR(45) NULL DEFAULT NULL,
 'clientProvince' VARCHAR(45) NULL DEFAULT NULL,
 `clientPostalCode` VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('clientID'))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table 'qoc353 4'.'purchase'
CREATE TABLE IF NOT EXISTS 'goc353 4'.'purchase' (
 `purchaseID` INT NOT NULL,
 'purchaseDate' DATE NULL DEFAULT NULL,
 PRIMARY KEY ('purchaseID'))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

```
-- Table `qoc353_4`.`contract`
CREATE TABLE IF NOT EXISTS 'goc353 4'.'contract' (
 'contractID' INT NOT NULL,
 'client clientID' INT NULL DEFAULT NULL,
 `purchase_purchaseID` INT NULL DEFAULT NULL,
 'company companyID' INT NULL DEFAULT NULL,
 'employee of company' INT NULL DEFAULT NULL,
 `client_employee` VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('contractID'),
 INDEX `client_clientID_idx` (`client_clientID` ASC) VISIBLE,
 INDEX 'purchase purchaseID idx' ('purchase purchaseID' ASC) VISIBLE,
 INDEX `company_companyID_idx` (`company_companyID` ASC) VISIBLE,
 INDEX 'employee_of_company_idx' ('employee_of_company' ASC) VISIBLE,
 CONSTRAINT 'client clientID'
  FOREIGN KEY ('client_clientID')
  REFERENCES 'goc353 4'.'clients' ('clientID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'company companyID'
  FOREIGN KEY ('company companyID')
  REFERENCES 'qoc353_4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'employee of company'
  FOREIGN KEY ('employee of company')
  REFERENCES 'qoc353_4'.'employee' ('employeeID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT `purchase_purchaseID`
  FOREIGN KEY ('purchase purchaseID')
  REFERENCES 'qoc353_4'.'purchase' ('purchaseID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai ci;
```

-- Table `qoc353_4`.`headoffice`

```
CREATE TABLE IF NOT EXISTS `qoc353_4`. `headoffice` (
 'headFID' INT NOT NULL,
 'companyID' INT NOT NULL,
 'email' VARCHAR(45) NULL DEFAULT NULL,
 'website' VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('headFID', 'companyID'),
 INDEX 'head companyID idx' ('companyID' ASC) VISIBLE,
 CONSTRAINT 'head companyID'
  FOREIGN KEY ('companyID')
  REFERENCES 'qoc353 4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE.
 CONSTRAINT 'headFID'
  FOREIGN KEY ('headFID')
  REFERENCES 'qoc353_4'.'facility' ('fID')
  ON UPDATE RESTRICT)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table 'goc353 4'. 'manufacturingfacility'
______
CREATE TABLE IF NOT EXISTS 'goc353 4'. 'manufacturingfacility' (
 `ManufacturingFID` INT NOT NULL,
 'companyID' INT NOT NULL,
 'productionCap' INT NULL DEFAULT NULL,
 PRIMARY KEY ('ManufacturingFID', 'companyID'),
 INDEX `ManufacturingFacility companyID idx` ('companyID' ASC) VISIBLE,
 CONSTRAINT `ManufacturingFacility companyID`
  FOREIGN KEY ('companyID')
  REFERENCES 'qoc353_4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT `ManufacturingFacility_ManufacturingFID`
  FOREIGN KEY ('ManufacturingFID')
  REFERENCES 'qoc353_4'.'facility' ('fID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
```

```
-- Table `qoc353_4`.`product`
CREATE TABLE IF NOT EXISTS 'goc353 4'.'product' (
 'productID' INT NOT NULL,
 `product_company` INT NOT NULL,
 `productDescription` VARCHAR(45) NULL DEFAULT NULL,
 'productVolume' VARCHAR(45) NULL DEFAULT NULL,
 `productPrice` VARCHAR(45) NULL DEFAULT NULL,
 `UPC` VARCHAR(45) NULL DEFAULT NULL,
 `productWeight` VARCHAR(45) NULL DEFAULT NULL,
 `productName` VARCHAR(45) NULL DEFAULT NULL,
 'productStatus' VARCHAR(45) NULL DEFAULT NULL,
 PRIMARY KEY ('productID', 'product_company'),
 INDEX 'product_company_idx' ('product_company' ASC) VISIBLE,
 CONSTRAINT 'product company'
  FOREIGN KEY ('product_company')
  REFERENCES 'qoc353 4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
-- Table `qoc353_4`.`purchase_item`
CREATE TABLE IF NOT EXISTS 'qoc353 4'.'purchase item' (
 'purchase item productID' INT NOT NULL,
 'purchase item companyID' INT NOT NULL,
 'purchase item purchaseID' INT NOT NULL,
 `quantity` INT NULL DEFAULT NULL,
 'unitPrice' INT NULL DEFAULT NULL,
 PRIMARY KEY ('purchase_item_productID', 'purchase_item_companyID',
'purchase item purchaseID'),
 INDEX `purchase_item_purchaseID_idx` (`purchase_item_purchaseID` ASC) VISIBLE,
 INDEX 'purchase item companyID idx' ('purchase item companyID' ASC) VISIBLE,
 CONSTRAINT 'purchase item companyID'
  FOREIGN KEY (`purchase_item_companyID`)
  REFERENCES 'qoc353 4'.'company' ('cID')
  ON DELETE CASCADE
```

```
ON UPDATE CASCADE.
 CONSTRAINT `purchase_item_productID`
  FOREIGN KEY ('purchase item productID')
  REFERENCES 'qoc353_4'.'product' ('productID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'purchase item purchaseID'
  FOREIGN KEY (`purchase_item_purchaseID`)
  REFERENCES 'goc353 4'.'purchase' ('purchaseID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
-- Table `qoc353 4`.`researchfacility`
CREATE TABLE IF NOT EXISTS 'qoc353 4'. 'researchfacility' (
 `ResearchFID` INT NOT NULL,
 `Research_companyID` INT NOT NULL,
 PRIMARY KEY ('ResearchFID', 'Research companyID'),
 INDEX 'researchFacility companyID idx' ('Research companyID' ASC) VISIBLE,
 CONSTRAINT `researchFacility_companyID`
  FOREIGN KEY ('Research companyID')
  REFERENCES 'qoc353_4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT `researchFacility_ResearchFID`
  FOREIGN KEY ('ResearchFID')
  REFERENCES 'goc353 4'. 'facility' ('fID'))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `qoc353_4`.`warehousefacility`
CREATE TABLE IF NOT EXISTS 'qoc353 4'. 'warehousefacility' (
 `warehouseFID` INT NOT NULL,
 'companyID' INT NOT NULL,
 'maxcap' INT NULL DEFAULT NULL,
```

```
PRIMARY KEY ('warehouseFID', 'companyID'),
 INDEX 'WarehouseFacility_companyID_idx' ('companyID' ASC) VISIBLE,
 CONSTRAINT 'WarehouseFacility companyID'
  FOREIGN KEY ('companyID')
  REFERENCES 'qoc353 4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'warehouseFID'
  FOREIGN KEY ('warehouseFID')
  REFERENCES 'qoc353_4'.'facility' ('fID')
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4 0900 ai ci;
-- Table `goc353 4`.`worksfor`
CREATE TABLE IF NOT EXISTS 'goc353 4'.'worksfor' (
 'empID' INT NOT NULL,
 `company` INT NOT NULL,
 'fID' INT NULL DEFAULT NULL,
 `task` VARCHAR(45) NULL DEFAULT NULL,
 'endDate' DATE NULL DEFAULT NULL.
 'startDate' DATE NOT NULL,
 PRIMARY KEY ('empID', 'company', 'startDate'),
 INDEX 'worksFor_company_idx' ('company' ASC) VISIBLE,
 INDEX `worksFor_fID_idx` (`fID` ASC) VISIBLE,
 CONSTRAINT 'worksFor company'
  FOREIGN KEY ('company')
  REFERENCES 'qoc353_4'.'company' ('cID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'worksFor empID'
  FOREIGN KEY ('empID')
  REFERENCES 'qoc353 4'.'employee' ('employeeID')
  ON DELETE CASCADE
  ON UPDATE CASCADE,
 CONSTRAINT 'worksFor flD'
  FOREIGN KEY ('fID')
  REFERENCES 'qoc353 4'.'facility' ('fID')
  ON DELETE CASCADE
```

ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

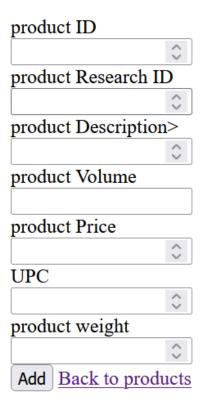
SET SQL_MODE=@OLD_SQL_MODE; SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS; SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

GUI SCREENSHOTS

List of products

Add a product										
productI	D product compan	y product Description	product Volume	e product Price	e UPC	product Weight	t product Name	product Status	1	
1	1	Vaccine of Pfizer	100000	100	PFZ123	2	Pfizer_vaccine	Available	<u>Display Edit</u> <u>Delete</u>	
2	1	Bandages of Pfizer	50000	15	PFZ101	3	Pfizer_bandages	Not Available	Display Edit Delete	
3	2	Vaccine of Moderna	200000	110	MD123	4	Moderna_vaccine	Available	Display Edit Delete	
4	2	Bandages of Moderna	a 55555	10	MD202	3	Moderna_bandages	Not Available	Display Edit Delete	
5	3	Vaccine of GSK	300000	200	GSK123	2	GSK_vaccine	Available	Display Edit Delete	
6	3	Bandages of GSK	15555	20	GSK222	1	GSK_bandages	Available	Display Edit Delete	
7	4	Vaccine of Pharma	5000	10	Pharma123	3 3	Pharma_vaccine	Not Available	Display Edit Delete	
8	4	Bandages of Pharma	10000	30	Pharma67	3	Pharma_bandages	Not Available	Display Edit Delete	
9	5	Vaccine Roche	200000	50	Roche123	2	RocheVaccine	Available	Display Edit Delete	
Back to homepage										

Add product



product ID: 1

product_company: 1

productDescription: Vaccine of Pfizer

productVolume: 100000

productPrice: 100

UPC: PFZ123

productWeight: 2

productName: Pfizer_vaccine

productStatus: Available

Back to homepage