ASSIGNMENT 04

TOPIC: Skill and Job Recommender

TEAM ID: PNT2022TMID29967

1.create ten tables in IBM2 db2 and insert data by using insert query:

==========

1. db2 create table professional.employee(id int, name

varchar(50),jobrole varchar(30),joindate date,

salary double) in ts1

Isert queries:

db2 insert into professional.customer(custid, fullname, phone)

values(100,'ravi','9898989')

db2 insert into professional.customer(custid, fullname, phone)

values(100,'ravi','9898989')

(101,'krathi','87996659')

(102,'gopal','768678687')

(103,'mani','9898989')

(104,'shilpa','87996659')

(105,'meena','768678687')

(106,'praveen','9898989')

(107,'srinivas','87996659')

(108,'magesh','768678687')

2. CREATE TABLE recipes (

recipe_id INT NOT NULL,

recipe_name VARCHAR(30) NOT NULL,

PRIMARY KEY (recipe_id),

UNIQUE (recipe_name)

);

INSERT QUERIES:

INSERT INTO recipes

(recipe_id, recipe_name)

VALUES

```
(1,"Tacos"),
(2,"Tomato Soup"),
(3,"Grilled Cheese")
(4,"chicken biriyani")
(5,"mutton biriyani")
(6,"shawarma")
(7,"egg noodles")
(8,"BBQ")
(9,"VEG BIRIYANI")
(10,"sandwitch");
```

3.
```
CREATE TABLE ingredients (
  ingredient_id INT NOT NULL,
  ingredient_name VARCHAR(30) NOT NULL,
  ingredient_price INT NOT NULL,
  PRIMARY KEY (ingredient_id),
  UNIQUE (ingredient_name)
);
```

INSERT QUERIES:

```
INSERT INTO ingredients
   (ingredient_id, ingredient_name, ingredient_price)
VALUES
   (1, "Beef", 5),
   (2, "Lettuce", 1),
   (3, "Tomatoes", 2),
   (4, "Taco Shell", 2),
   (5, "Cheese", 3),
   (6, "Milk", 1),
   (7, "Bread", 2);
```

4.
```
CREATE TABLE recipe_ingredients (
  recipe_id int NOT NULL,
  ingredient_id INT NOT NULL,
  amount INT NOT NULL,
  PRIMARY KEY (recipe_id,ingredient_id)
);
```

INSERT QUERIES:

```
INSERT INTO recipe_ingredients
   (recipe_id, ingredient_id, amount)
VALUES
   (1,1,1),
   (1,2,2),
```

(1,3,2),

(1,4,3),

(1,5,1),

(2,3,2),

(2,6,1),

(3,5,1),

(3,7,2),

(1,3,2),

(1,4,3),

(1,5,1),

(2,3,2),

(2,6,1),

(1,3,2),

(1,4,3),

(1,5,1),

(2,3,2),

(2,6,1);

5. CREATE TABLE groceries (

id INTEGER PRIMARY KEY,

name TEXT,

quantity INTEGER);

INSERT QUERIES:

```
INSERT INTO groceries
  VALUES
    (1, "Bananas", 4)
    (2, "Peanut Butter", 1)
    (3, "Dark chocolate bars", 2)
    (4, "DRAGON FRUIT", 1)
    (5, "pine apple", 4)
    (6, "gova", 1)
    (7, "apple", 2)
    (8, "orange", 1)
    (9, "pumkin", 3)
    (10, "grapes", 1)
    (11 "watermelon", 1)
```

6. db2 create table professional(id int, name varchar(50),jobrole varchar(30),joindate date, salary double) in ts1

Isert queries:

```
  db2 insert into professional(custid, fullname, phone)
values(100,'ravi','9898989')
```

```
   db2 insert into professional(custid, fullname, phone)
values(1,'balaji','9898989')
      (2,'kiran','87996659')
      (3,'dinesh','768678687')
      (4,'chidu','9898989')
      (5,'naveenraj','87996659')
      (6,'jaipraveen','768678687')
      (7,'surya','9898989')
      (8,'sandeep','87996659')
      (9,'karankumar','768678687')
```

7.
```
CREATE TABLE fooditems (
 recipe_id INT NOT NULL,
 recipe_name VARCHAR(30) NOT NULL,
 PRIMARY KEY (recipe_id),
 UNIQUE (recipe_name)
);
```

INSERT QUERIES:

```
INSERT INTO recipes
   (recipe_id, recipe_name)
VALUES
```

```
    (1,"lemon rice"),
    (2,"noodles"),
    (3,"Grilled chicken")
    (4,"chicken biriyani")
    (5,"mutton biriyani")
    (6,"curd rice")
    (7,"egg noodles")
    (8,"masal poori")
    (9,"vaangi baath")
    (10,"masala magi");
```

8.
```
CREATE TABLE items (
  ingredient_id INT NOT NULL,
  ingredient_name VARCHAR(30) NOT NULL,
  ingredient_price INT NOT NULL,
  PRIMARY KEY (ingredient_id),
  UNIQUE (ingredient_name)
);
```

INSERT QUERIES:

```
INSERT INTO ingredients
    (ingredient_id, ingredient_name, ingredient_price)
VALUES
```

(1, "chilli powder", 5),

(2, "cooriender powder", 1),

(3, "turmeric", 2),

(4, "salt", 2),

(5, "pepper powder", 3),

(6, "sugar", 1),

(7, "food colour", 2);

9. CREATE TABLE vehicles(

id INTEGER PRIMARY KEY,

name TEXT,

quantity INTEGER);

INSERT QUERIES:

INSERT INTO groceries

VALUES

(1, "yamaha", 4)

(2, "suzuki", 1)

(3, "access", 2)

(4, "splender", 1)

(5, "aaaa", 4)

(6, "bbbb", 1)

(7, "mahendra", 2)

(8, "cccc", 1)

(9, "dddd", 3)

```
    (10, "eeee", 1)
    (11 "tvs", 1)
```

10. CREATE TABLE sweets (

```
  recipe_id INT NOT NULL,
  recipe_name VARCHAR(30) NOT NULL,
  PRIMARY KEY (recipe_id),
  UNIQUE (recipe_name)
);
```

INSERT QUERIES:

```
INSERT INTO recipes
   (recipe_id, recipe_name)
VALUES
   (1,"jamun"),
   (2,"faludha"),
   (3,"custud")
   (4,"paal kova")
   (5,"mysoor pakh")
   (6,"cream bun")
   (7,"sweet pufs")
   (8,"badusha")
   (9,"laddoo")
```

2.PERFORM UPDATE DELETE SELECT QUERIES IN 10 TABLES:

==========

1. professional.employee

```
UPDATE professional.employee
SET name='pooja'
WHERE id=102';
select * from professional.employee
delete * from table where name="karthi"
```

2. recipies

```
UPDATE recipies
SET recipiename='vangibaath'
WHERE id=1';
select * from recipies;
delete * from recipies where name="soup"
```

3. ingredients

```
UPDATE ingredients
SET ingredient_name="chicken"
WHERE id=1';
select * from  ingrediens;
```

delete * from ingredients where name="BBQ";

4. recipe_ingredients

UPDATE recipe_ingredients

SET recipe_id=2;

WHERE amount='2';

select * from recipe_ingredients;

delete * from recipe_ingredients where ingredient_id='6';

5. groceries

UPDATE groceries

SET name=sapota

WHERE id='2';

select * from groceries;

delete * from groceries where name=pumkin;

6.professional UPDATE

professional

SET name=manmadan;

WHERE id='2';

select * from professional;

delete * from professional where name=karankumar;

7. fooditems

UPDATE fooditems

SET recipe_name=gravy chicken;

WHERE amount='2';

select * from fooditems ;

delete * from fooditems where name='masala magi';

8.items UPDATE

items

SET ingredient_name="soya saas"

WHERE id=10';

select * from items;

delete * from items where name="sugar";

9. vehicles

UPDATE vehicles

SET name='ffff'

WHERE id='5';

select * from vehicles;

delete * from vehicles where name='bbbb';

10. sweets

UPDATE sweets

SET recipiename='boondi'

WHERE id='3';

select * from sweets;

delete * from sweets where name="sweet pufs";

3.LOAD EXCEL COMMA SEPARATED FILE TO IBMDB2

1.create ten tables in IBM2 db2 and insert data by using insert query:

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1.db2 create table professional.employee(id int, name
varchar(50),jobrole varchar(30),joindate date,
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(102,'gopal','768678687')
(103,'mani','9898989')
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2.CREATE TABLE recipes (

recipe_id INT NOT NULL,

recipe_name VARCHAR(30) NOT NULL,

PRIMARY KEY (recipe_id),

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);

INSERT QUERIES:

```
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    (recipe_id, recipe_name)
VALUES
    (1,"Tacos"),
    (2,"Tomato Soup"),
    (3,"Grilled Cheese")
    (4,"chicken biriyani")
    (5,"mutton biriyani")
    (6,"shawarma")
    (7,"egg noodles")
    (8,"BBQ")
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```

3. CREATE TABLE ingredients (

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  ingredient_id INT NOT NULL,
```

```
  ingredient_name VARCHAR(30) NOT NULL,
  ingredient_price INT NOT NULL,
  PRIMARY KEY (ingredient_id),
  UNIQUE (ingredient_name)
);
```

INSERT QUERIES:

```
INSERT INTO ingredients
    (ingredient_id, ingredient_name, ingredient_price)
VALUES
    (1, "Beef", 5),
    (2, "Lettuce", 1),
    (3, "Tomatoes", 2),
    (4, "Taco Shell", 2),
    (5, "Cheese", 3),
    (6, "Milk", 1),
    (7, "Bread", 2);
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4. CREATE TABLE recipe_ingredients (
  recipe_id int NOT NULL,
  ingredient_id INT NOT NULL,
  amount INT NOT NULL,
  PRIMARY KEY (recipe_id,ingredient_id)
);

INSERT QUERIES:

INSERT INTO recipe_ingredients
   (recipe_id, ingredient_id, amount)
VALUES
   (1,1,1),
   (1,2,2),
   (1,3,2),
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   (1,5,1),
   (2,3,2),
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id INTEGER PRIMARY KEY,

name TEXT,

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INSERT QUERIES:

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INSERT INTO groceries
  VALUES
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       (7,'surya','9898989')
       (8,'sandeep','87996659')
       (9,'karankumar','768678687')



7.CREATE TABLE fooditems (
  recipe_id INT NOT NULL,
  recipe_name VARCHAR(30) NOT NULL,
```

```
  PRIMARY KEY (recipe_id),
  UNIQUE (recipe_name)
);
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INSERT QUERIES:

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VALUES
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   (2,"noodles"),
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VALUES

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   (3, "turmeric", 2),

   (4, "salt", 2),

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id INTEGER PRIMARY KEY,

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  recipe_name VARCHAR(30) NOT NULL,
  PRIMARY KEY (recipe_id),
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INSERT QUERIES:

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VALUES
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  (6,"cream bun")

(7,"sweet pufs")

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select * from professional.employee
delete * from table where name="karthi"
```

2.recipies

```
UPDATE recipies
SET recipiename='vangibaath'
```

```
  WHERE id=1';
  select * from recipies;
  delete * from recipies where name="soup"
```

3.ingredients

```
  UPDATE ingredients
  SET  ingredient_name="chicken"
  WHERE id=1';
  select * from  ingrediens;
  delete * from  ingredients where name="BBQ";
```

4.recipe_ingredients

```
  UPDATE recipe_ingredients
  SET recipe_id=2;
  WHERE amount='2';
  select * from  recipe_ingredients;
  delete * from  recipe_ingredients where  ingredient_id='6';
```

5.groceries

```
  UPDATE groceries
```

SET name=sapota

WHERE id='2';

select * from groceries;

delete * from groceries where name=pumkin;

6. professional

UPDATE professional

SET name=manmadan;

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UPDATE fooditems

SET recipe_name=gravy chicken;

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8.items

```
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```

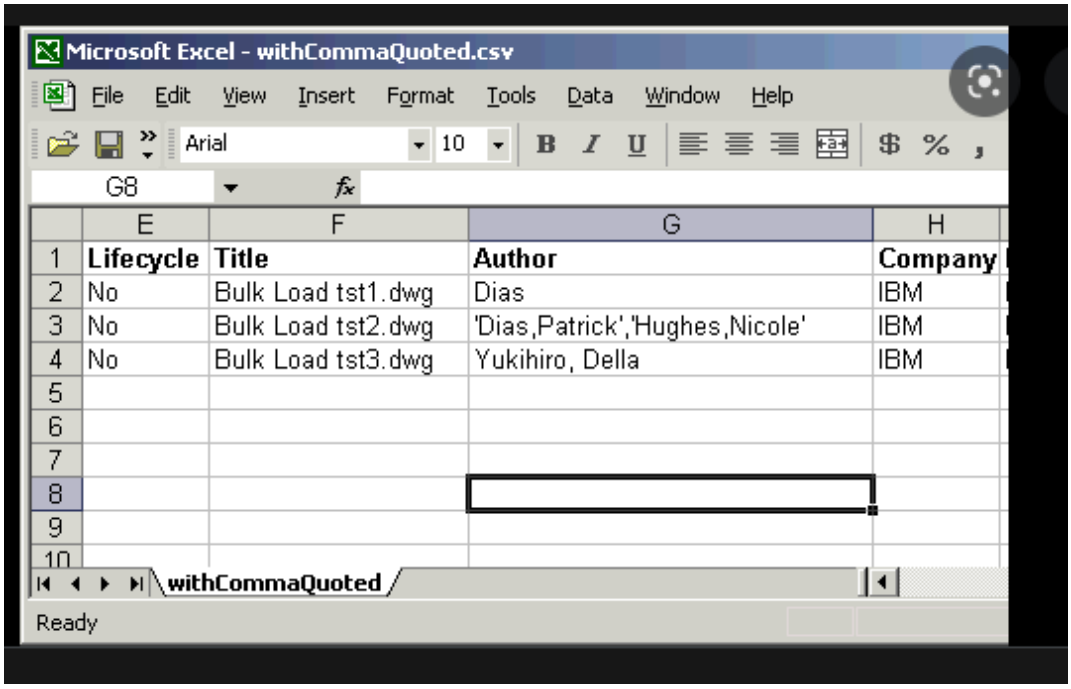
9. vehicles

```
UPDATE vehicles
SET name='ffff'
WHERE id='5';
select * from  vehicles;
delete * from vehicles where  name='bbbb';
```

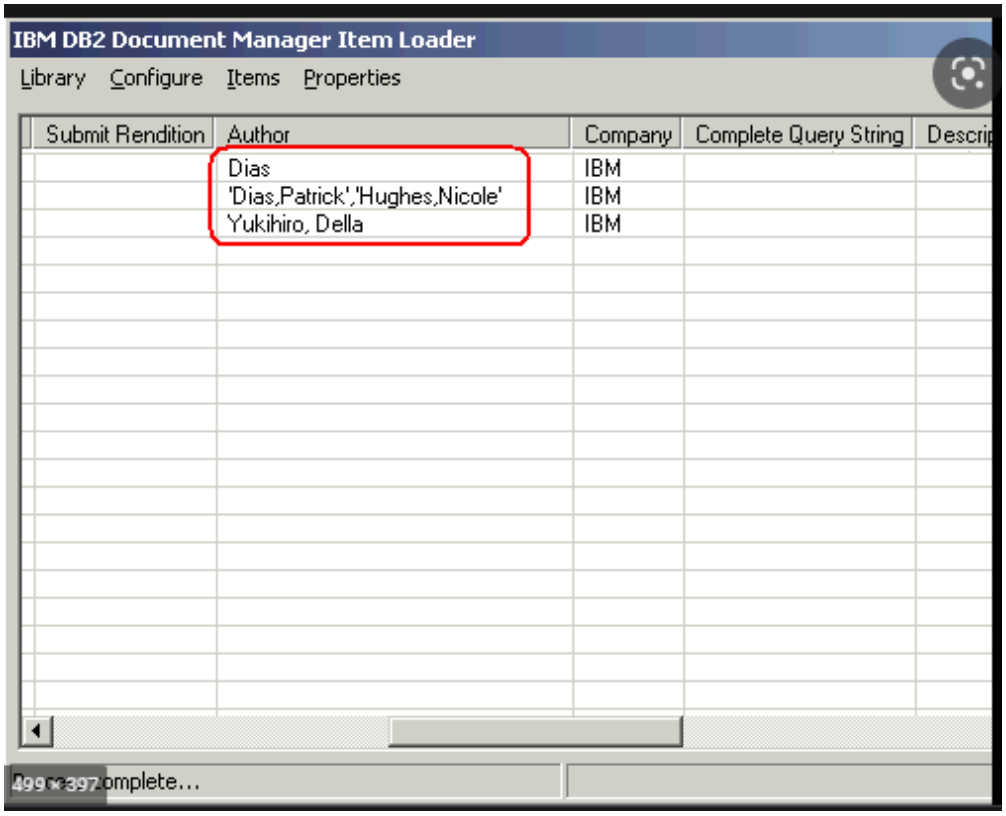
10. sweets

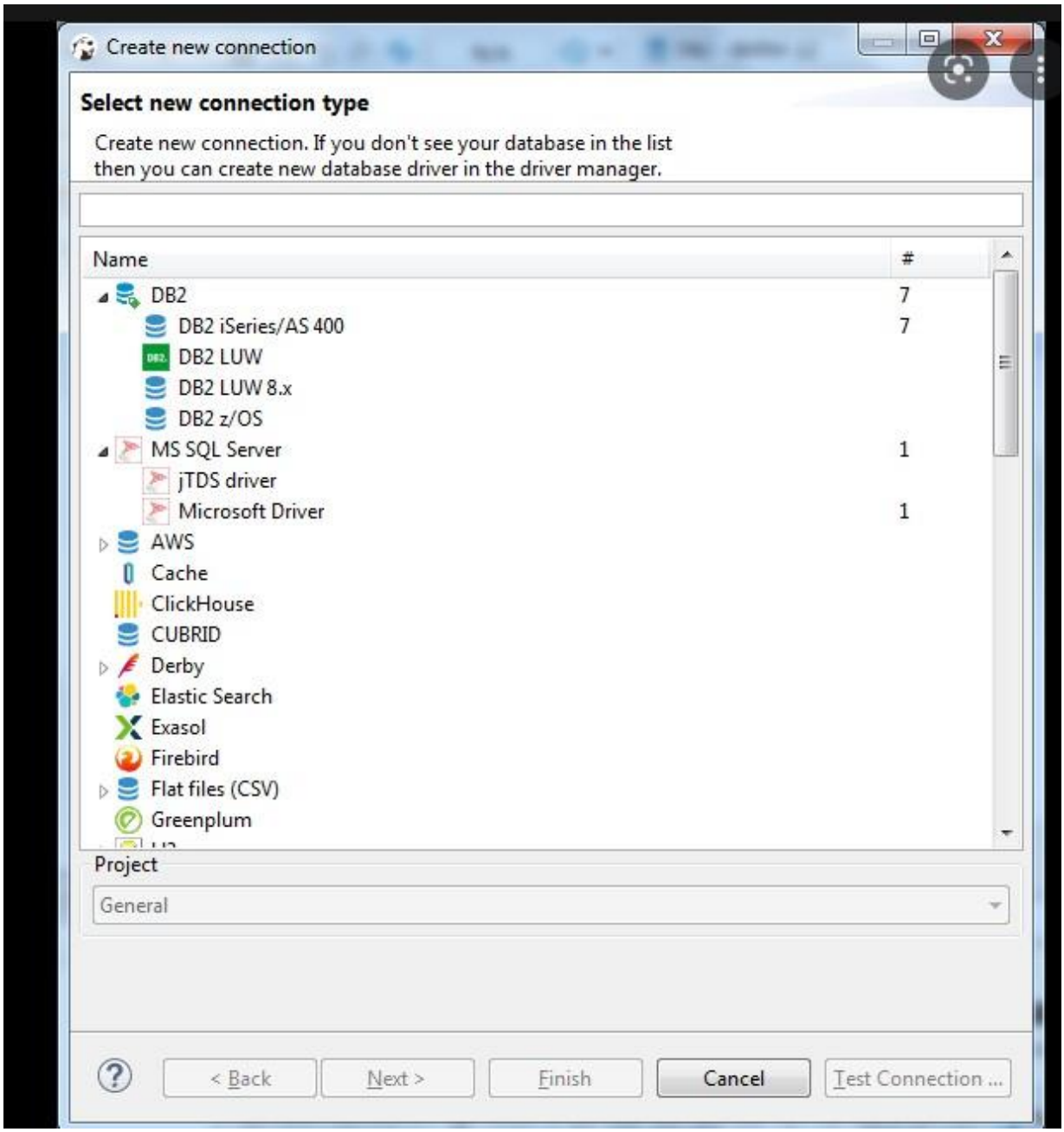
```
UPDATE sweets
SET recipiename='boondi'
WHERE id='3';
select * from sweets;
delete * from sweets where name="sweet pufs";
```

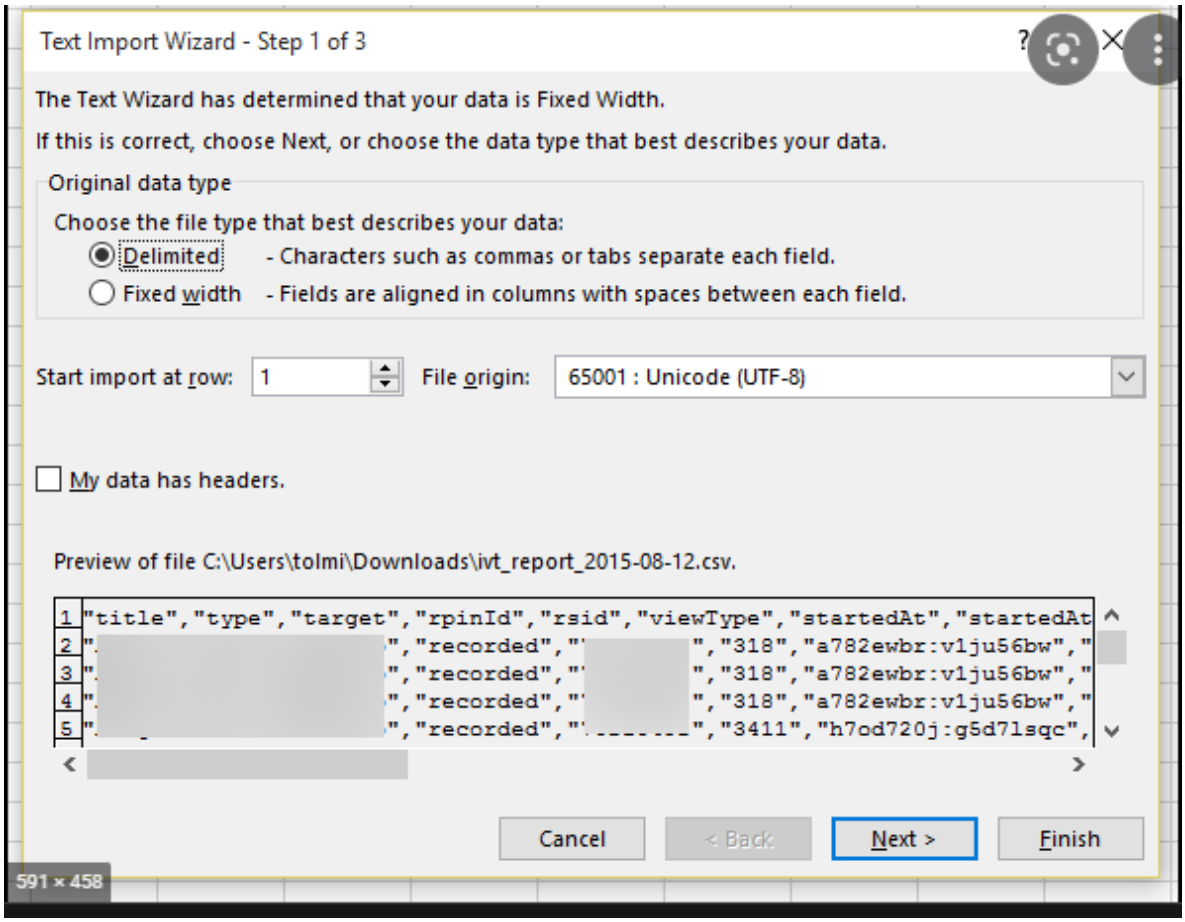
3. LOAD EXCEL COMMA SEPARATED FILE TO IBMDB2

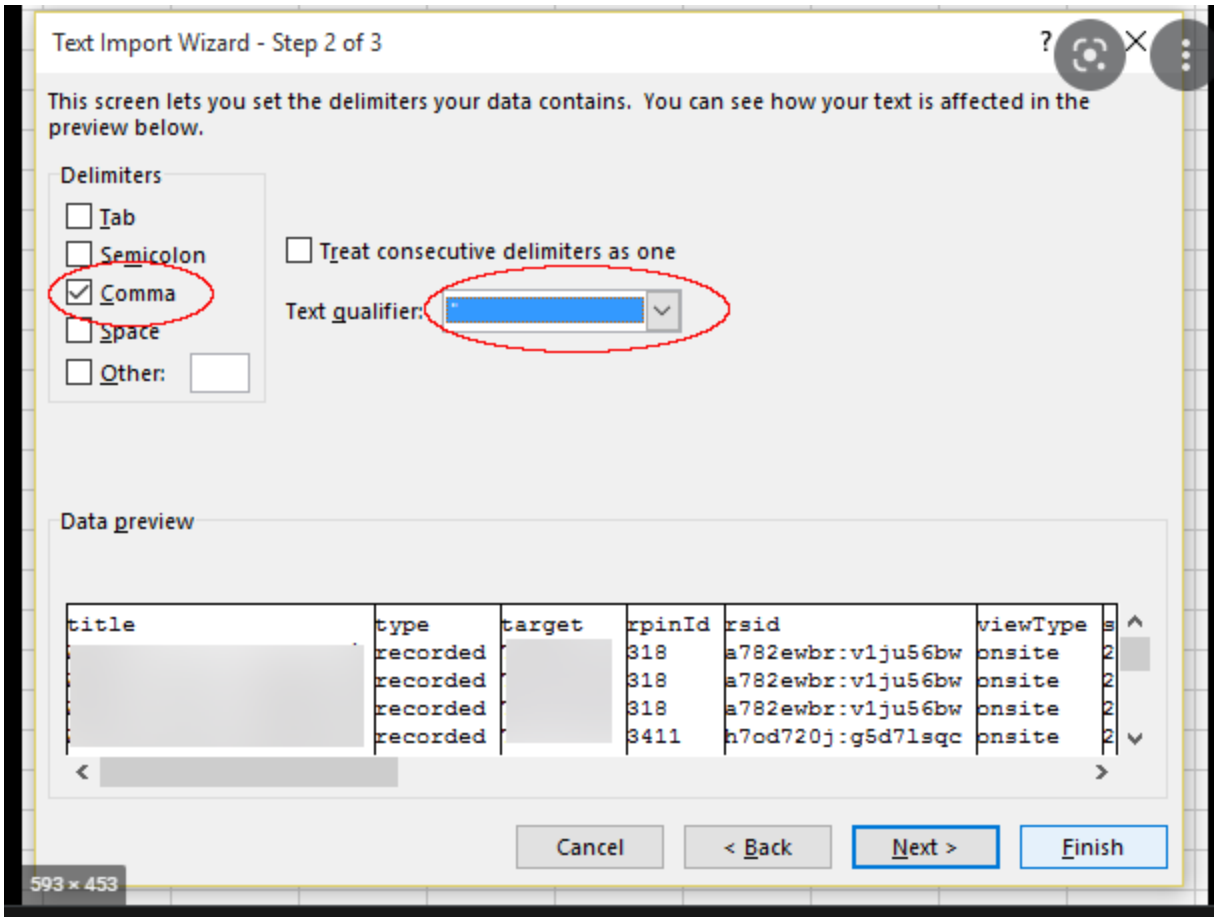


	E	F	G	H
1	**Lifecycle**	**Title**	**Author**	**Company**
2	No	Bulk Load tst1.dwg	Dias	IBM
3	No	Bulk Load tst2.dwg	'Dias,Patrick','Hughes,Nicole'	IBM
4	No	Bulk Load tst3.dwg	Yukihiro, Della	IBM
5				
6				
7				
8				
9				
10				

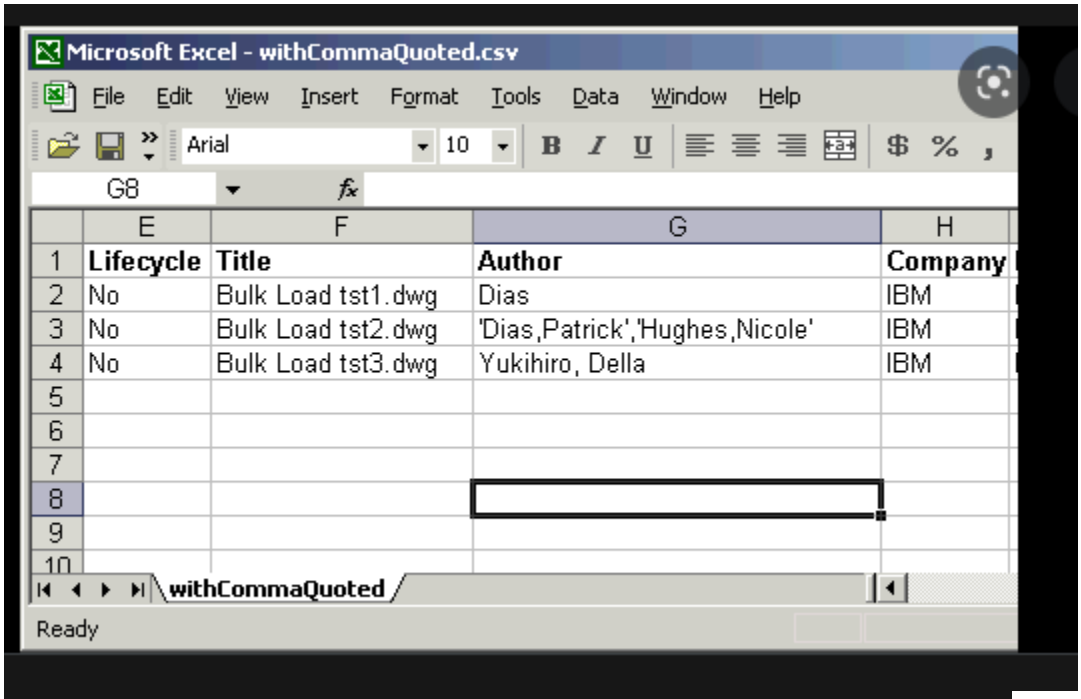

IBM DB2 Document Manager Item Loader
Library Configure Items Properties
Submit Rendition
Author
Company
Complete Query String
Descrip
Dias
IBM
'Dias,Patrick','Hughes,Nicole'
IBM
Yukihiro, Della
IBM
omplete...


Create new connection
Select new connection type
Create new connection. If you don't see your database in the list
then you can create new database driver in the driver manager.
Name
#
DB2
7
DB2 iSeries/AS 400
7
DB2 LUW
DB2 LUW 8.x
DB2 z/OS
MS SQL Server
1
jTDS driver
Microsoft Driver
1
AWS
Cache
ClickHouse
CUBRID
Derby
Elastic Search
Exasol
Firebird
Flat files (CSV)
Greenplum
Project
General
< Back
Next >
Finish
Cancel
Test Connection ...


Text Import Wizard - Step 1 of 3
The Text Wizard has determined that your data is Fixed Width.
If this is correct, choose Next, or choose the data type that best describes your data.
Original data type
Choose the file type that best describes your data:
Delimited - Characters such as commas or tabs separate each field.
Fixed width - Fields are aligned in columns with spaces between each field.
Start import at row: 1
File origin: 65001 : Unicode (UTF-8)
My data has headers.
Preview of file C:\Users\tolmi\Downloads\ivt_report_2015-08-12.csv.
1 "title","type","target","rpinId","rsid","viewType","startedAt","startedAt
2 "[redacted]","recorded","[redacted]","318","a782ewbr:v1ju56bw","
3 "[redacted]","recorded","[redacted]","318","a782ewbr:v1ju56bw","
4 "[redacted]","recorded","[redacted]","318","a782ewbr:v1ju56bw","
5 "[redacted]","recorded","[redacted]","3411","h7od720j:g5d7lsqc",
Cancel
< Back
Next >
Finish
591 × 458


Text Import Wizard - Step 2 of 3
This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.
Delimiters
Tab
Semicolon
Comma
Space
Other:
Treat consecutive delimiters as one
Text qualifier:
Data preview
title type target rpinId rsid viewType
recorded 318 a782ewbr:v1ju56bw onsite
recorded 318 a782ewbr:v1ju56bw onsite
recorded 318 a782ewbr:v1ju56bw onsite
recorded 3411 h7od720j:g5d7lsqc onsite
Cancel
< Back
Next >
Finish
593 × 453

4.CONNECT PYTHON TO DB2



	E	F	G	H
1	**Lifecycle**	**Title**	**Author**	**Company**
2	No	Bulk Load tst1.dwg	Dias	IBM
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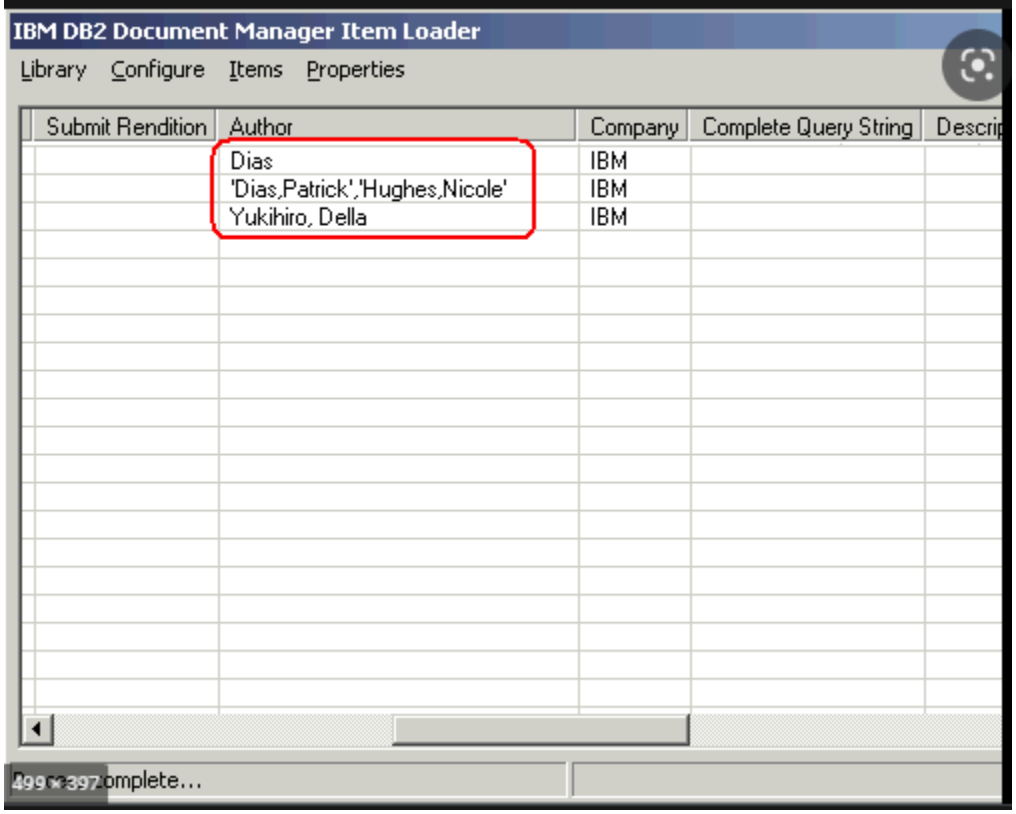
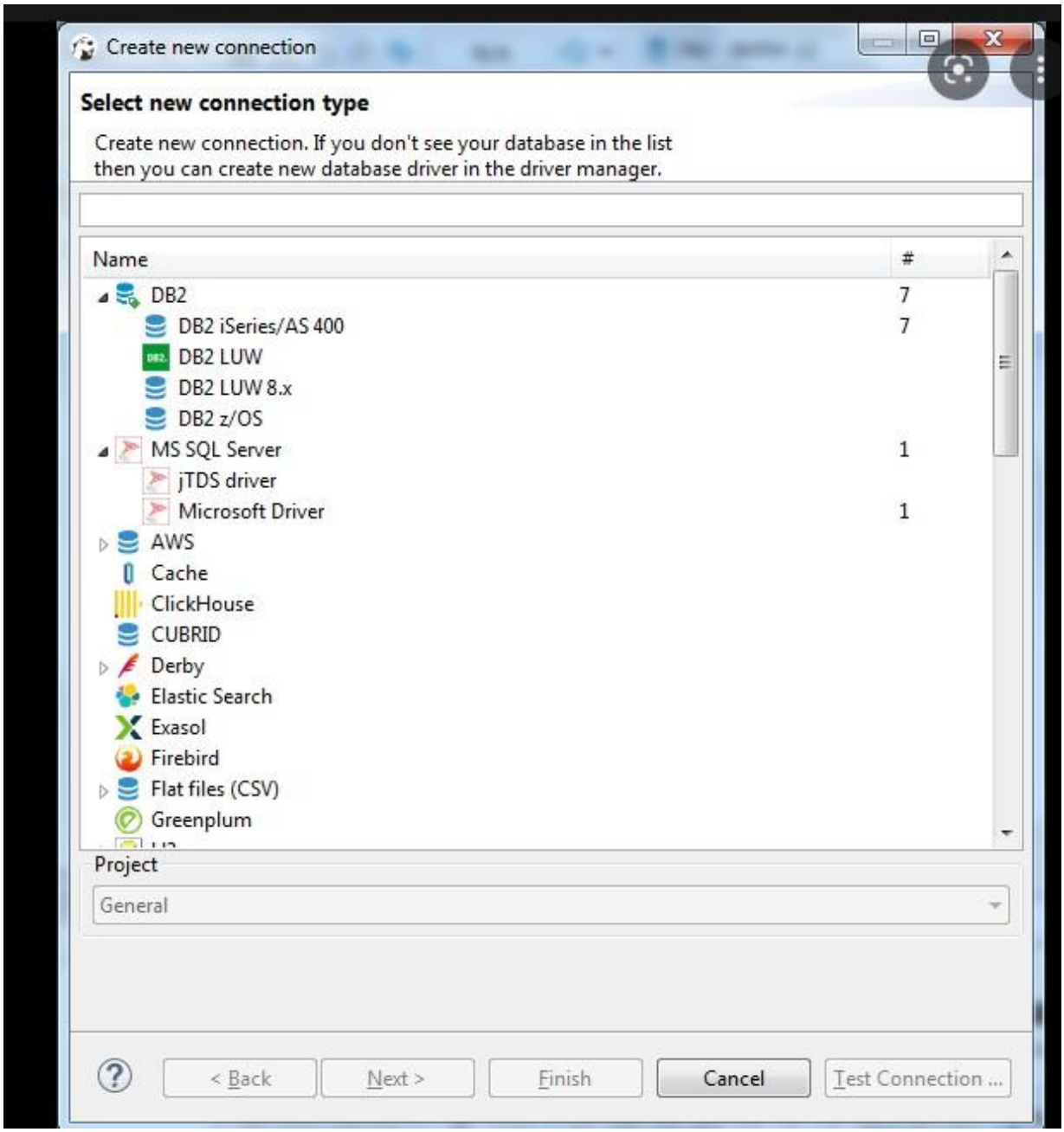
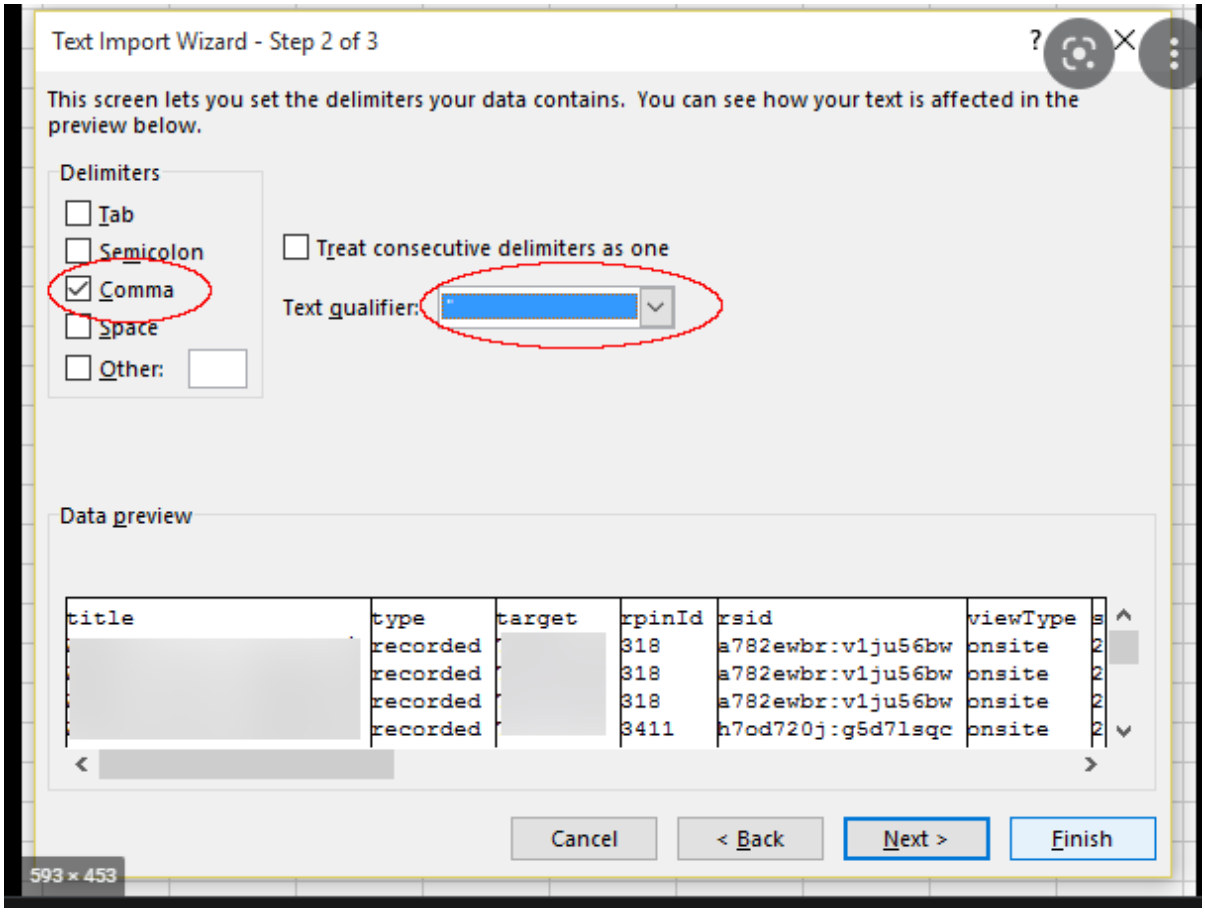
5				
6				
7				
8				
9				
10				




Create new connection
Select new connection type
Create new connection. If you don't see your database in the list
then you can create new database driver in the driver manager.
Name
#
DB2
7
DB2 iSeries/AS 400
7
DB2 LUW
DB2 LUW 8.x
DB2 z/OS
MS SQL Server
1
jTDS driver
Microsoft Driver
1
AWS
Cache
ClickHouse
CUBRID
Derby
Elastic Search
Exasol
Firebird
Flat files (CSV)
Greenplum
Project
General
< Back
Next >
Finish
Cancel
Test Connection ...


Text Import Wizard - Step 2 of 3
This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.
Delimiters
Tab
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Comma
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Treat consecutive delimiters as one
Text qualifier:
Data preview
title type target rpinId rsid viewType
recorded 318 a782ewbr:v1ju56bw onsite
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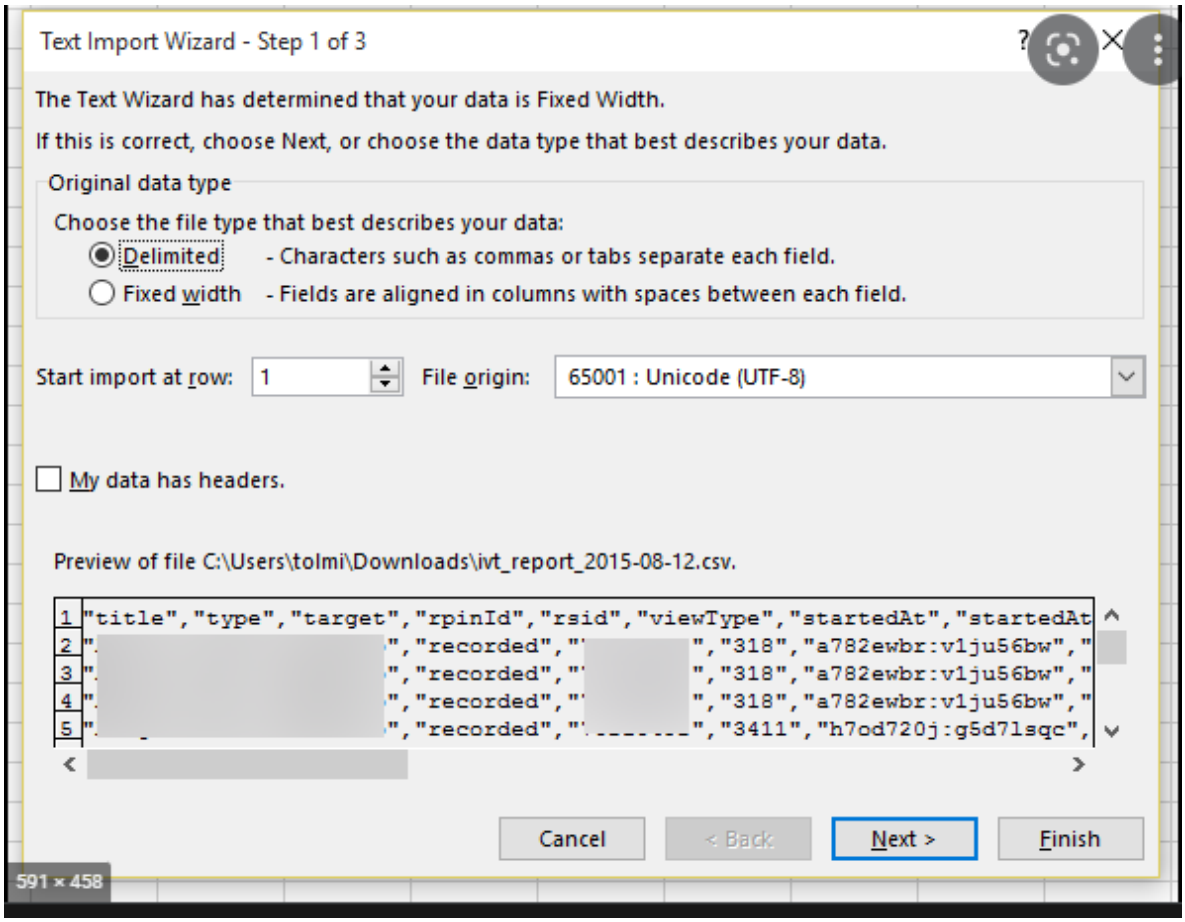
recorded 3411 h7od720j:g5d7lsqc onsite
Cancel
< Back
Next >
Finish
593 × 453


Text Import Wizard - Step 1 of 3
The Text Wizard has determined that your data is Fixed Width.
If this is correct, choose Next, or choose the data type that best describes your data.
Original data type
Choose the file type that best describes your data:
Delimited - Characters such as commas or tabs separate each field.
Fixed width - Fields are aligned in columns with spaces between each field.
Start import at row: 1
File origin: 65001 : Unicode (UTF-8)
My data has headers.
Preview of file C:\Users\tolmi\Downloads\ivt_report_2015-08-12.csv.
1 "title","type","target","rpinId","rsid","viewType","startedAt","startedAt
2 "[redacted]","recorded","[redacted]","318","a782ewbr:v1ju56bw","
3 "[redacted]","recorded","[redacted]","318","a782ewbr:v1ju56bw","
4 "[redacted]","recorded","[redacted]","318","a782ewbr:v1ju56bw","
5 "[redacted]","recorded","[redacted]","3411","h7od720j:g5d7lsqc",
Cancel
< Back
Next >
Finish
591 × 458