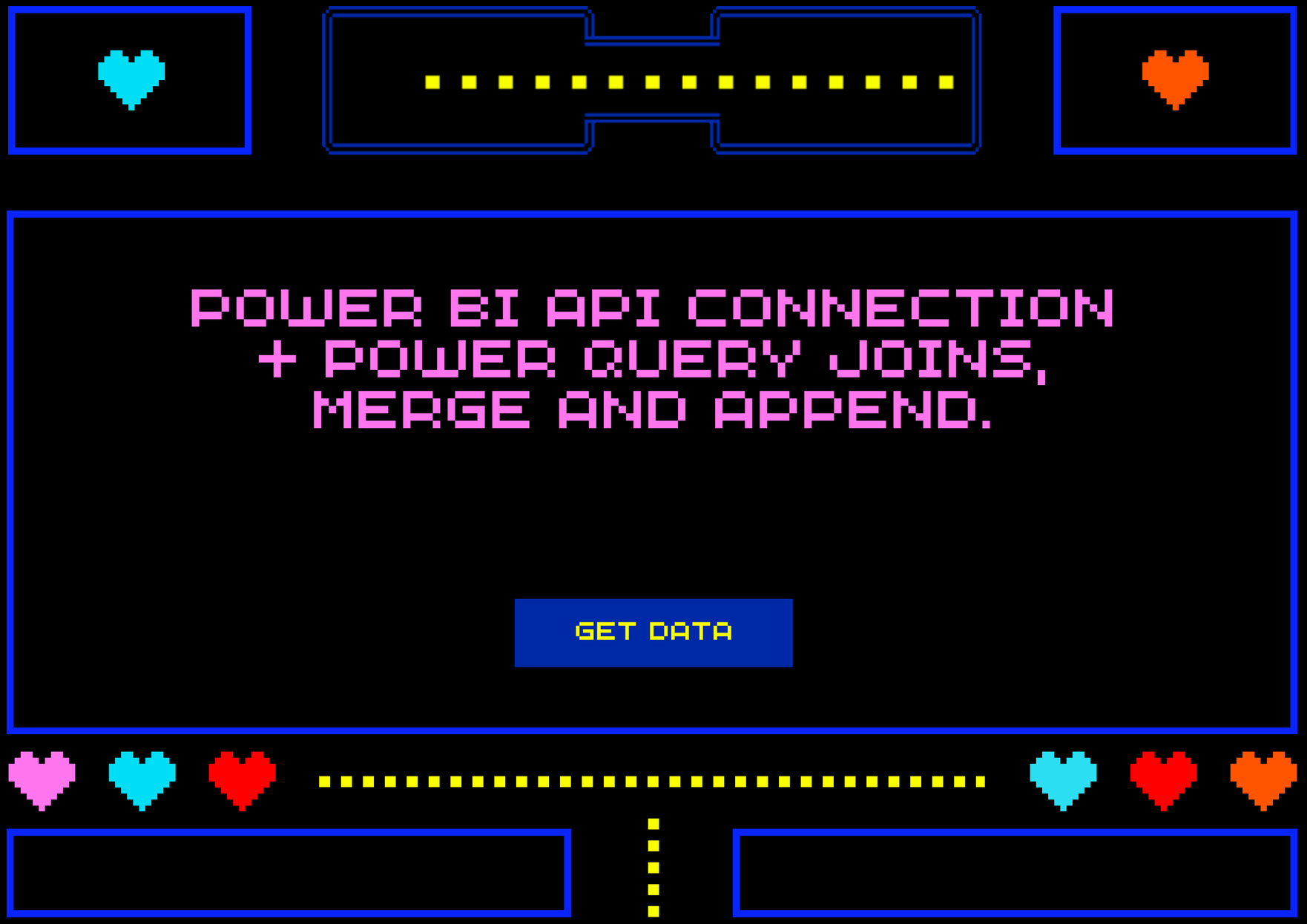
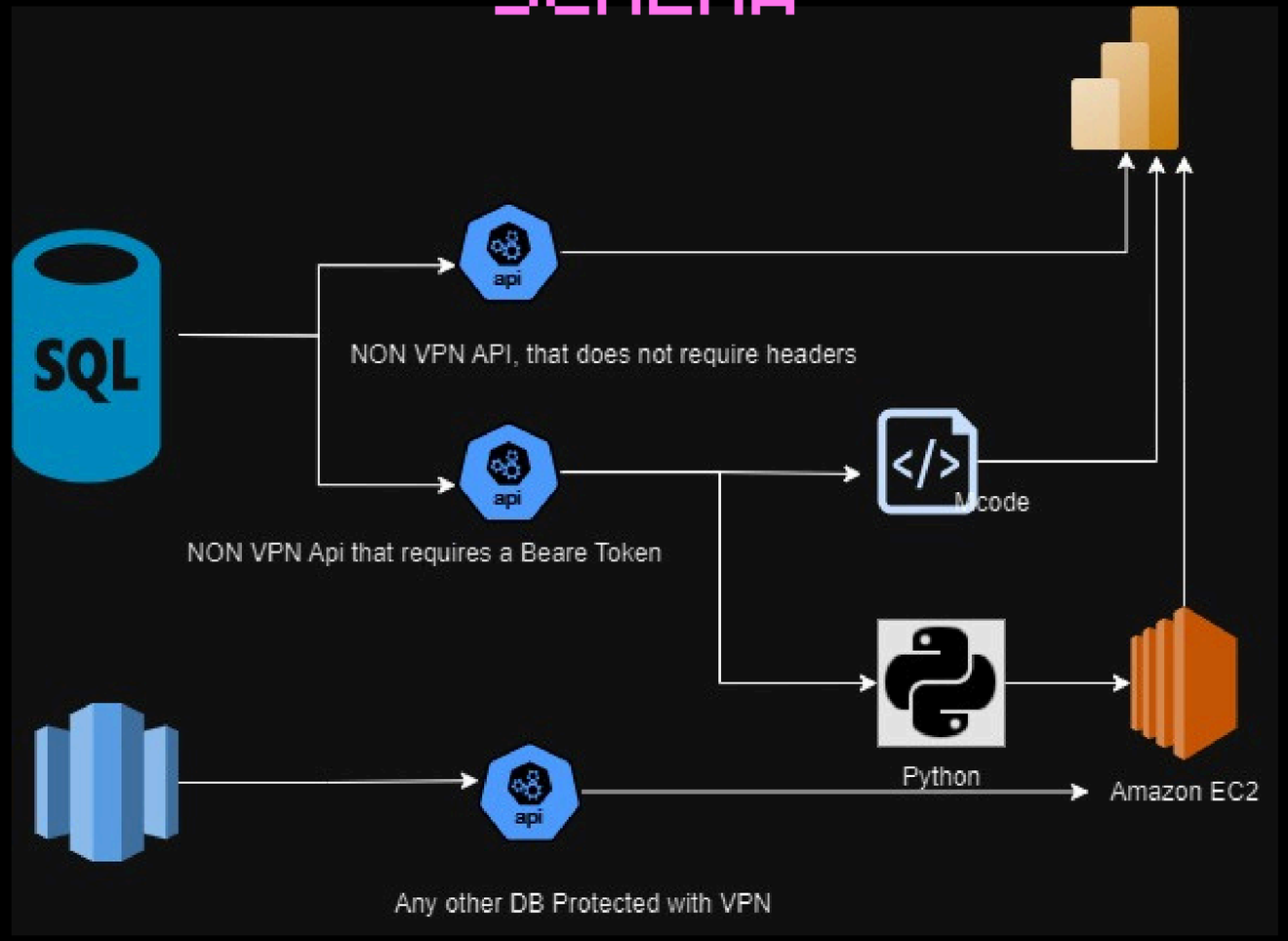
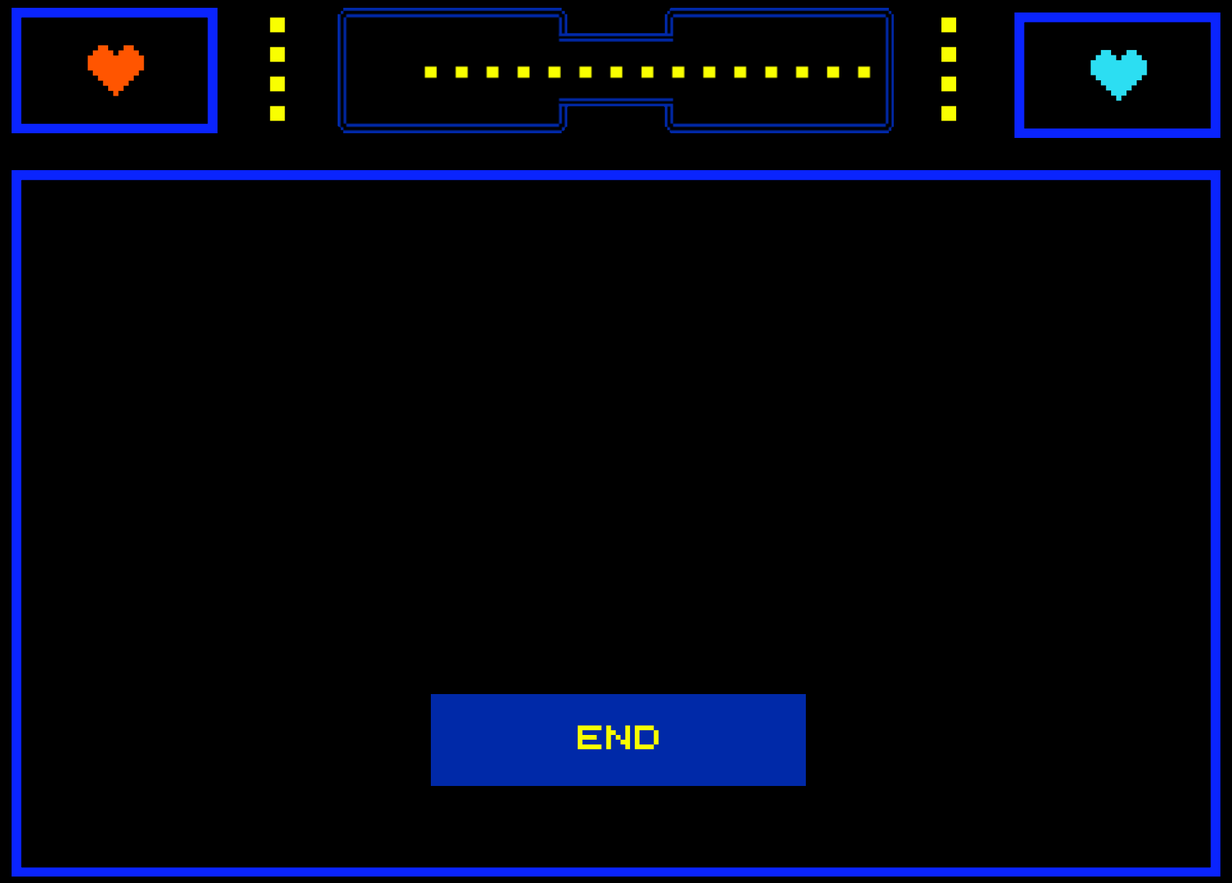
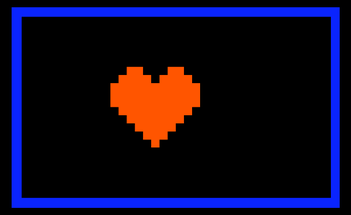
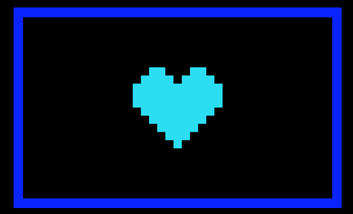

POWER BI API CONNECTION
+ POWER QUERY JOINS,
MERGE AND APPEND.
GET DATA

POWER BI API REQUEST DATA SCHEMA




END





HOW TO GET STARTED

We are going to review 3 types of connection.

Connect from web

Get blank query and connect using m code

Connect using python

WHATS IMPORTANT TO UNDERSTAND FROM AN API REQUEST?

A) An api request usually contains a json data set with information broadcasted from a data base, we need to learn to unwrap that data set and request information from it

b. Its important to differneciate what kind of header tha pi requires and what kind of request it accepts (Get-Post)

C) Based on these api requirements we will decide which is the best way to pull it

JSON FORMAT

sample.json > [ ] data

```
{
    "data": [
        {
            "type": "articles",
            "id": "1",
            "attributes": {
                "title": "Working with JSON Data in python",
                "description": "This article explains the various ways to work with JSON data in python.",
                "created": "2020-12-28T14:56:29.000Z",
                "updated": "2020-12-28T14:56:28.000Z"
            },
            "author": {
                "id": "1",
                "name": "Aveek Das"
            }
        }
    ]
}
```

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ANSWER

GET DATA USING M CODE, FROM AN API WITH BEARER

A. Get data from blank query or open the query editor

b. Open this link and copi this in the source step

c. Click on the Json image

d. Click on the lis in data

e. Convert to table, chose delimeters if necessary, rename the column to something related to the data

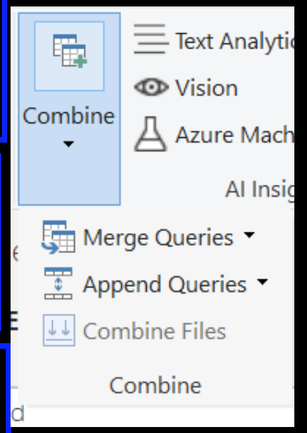
f) Select the column you want to expand, unmark use original column as prefix if desired

ANSWER

FILTER AND MERGE JIRA OP WITH JIRA HC

a. Decide which is the key value that is able to join both data sets

b. Filter by only actives on the current month based on the desired specific column



c. Go to the home tab int he query editor, go to combine and selecte merge as new query

e. Create a merge based on left outer, all from first matching from second.

f. Create a merge based on right outer, all from second matching from first.

g. Close an apply

CLOSING STEPS

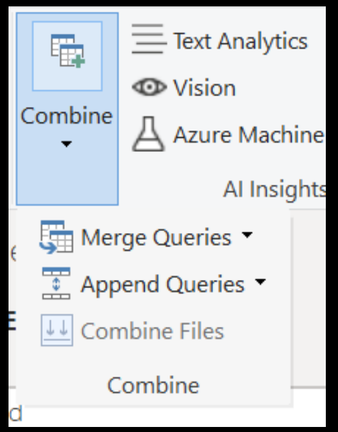
APPEND

a. If your data is split into separate sources but is identical you can append one on top of the other

b. Filter by only actives on the current month based on the desired specific column

c. Go to the home tab int he query editor, go to combine and select append queries

d. if your data is too large you want to fragmentate and load in separate queries




THANK
YOU
END