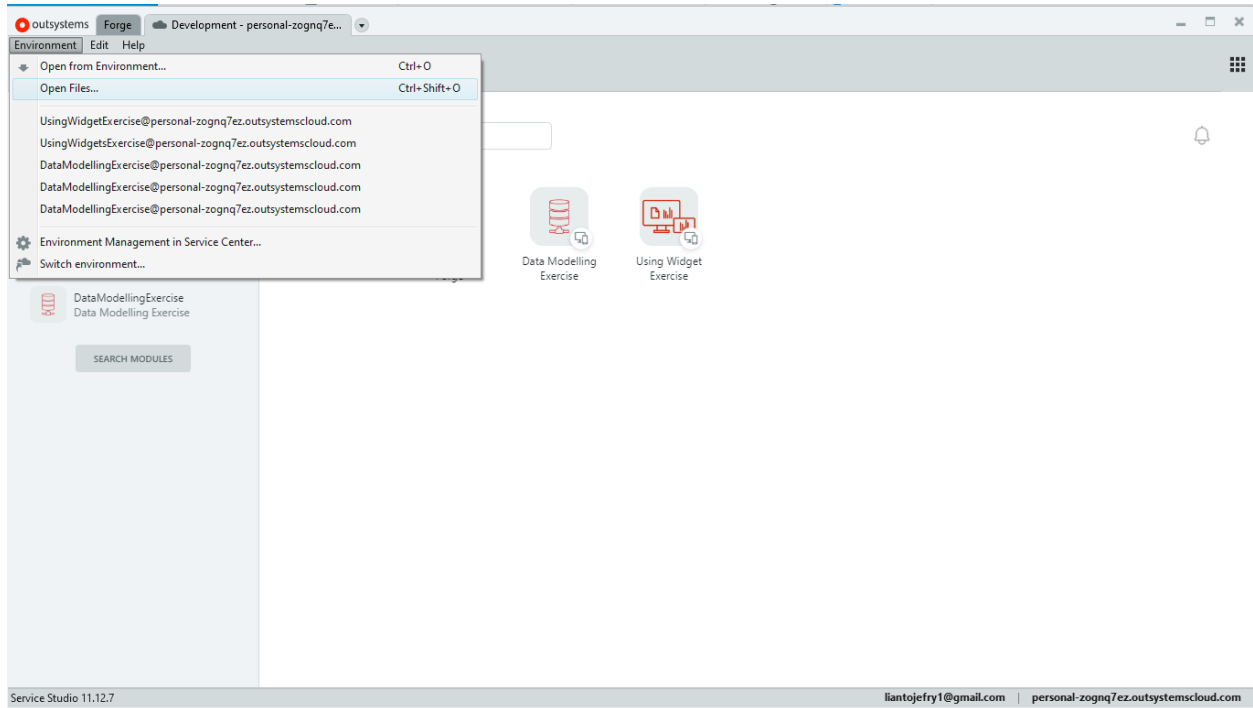


Nama : Jefry Lianto
NIM : 191402027
KOM : C

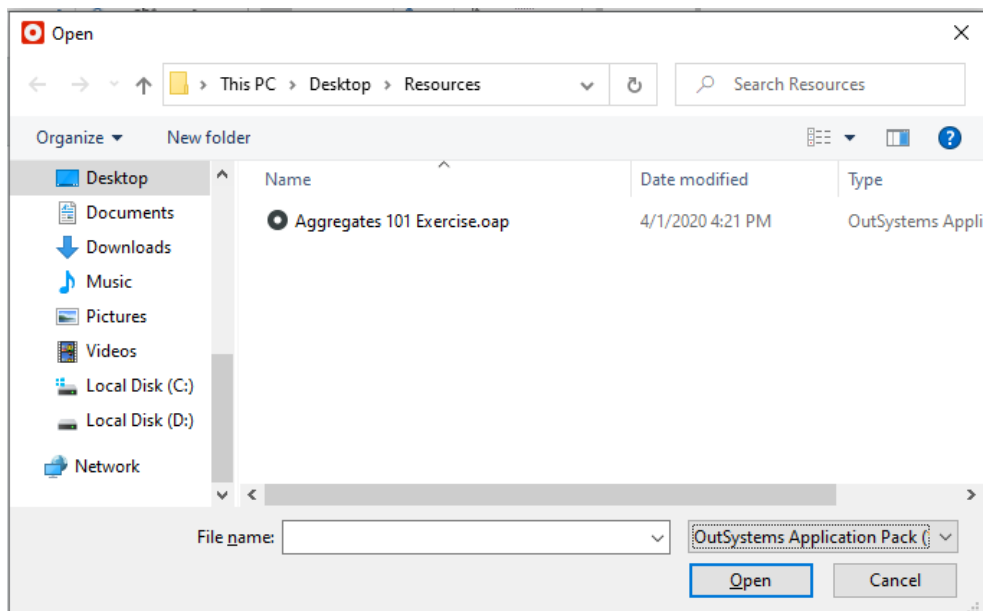
Tugas EDS

Aggregation

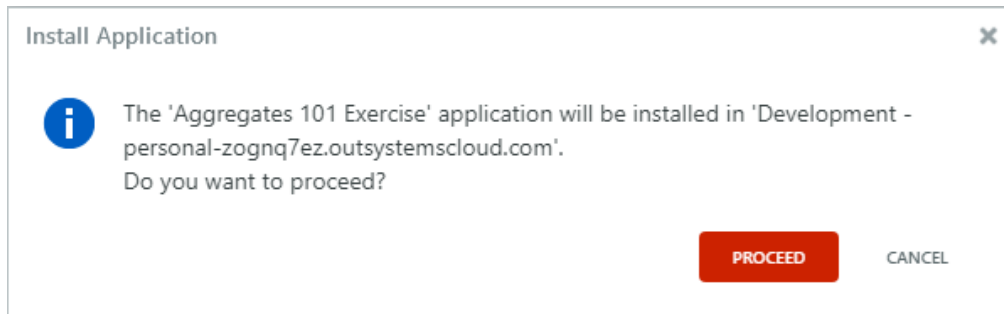
1. Open studio , setelah itu klik open files.



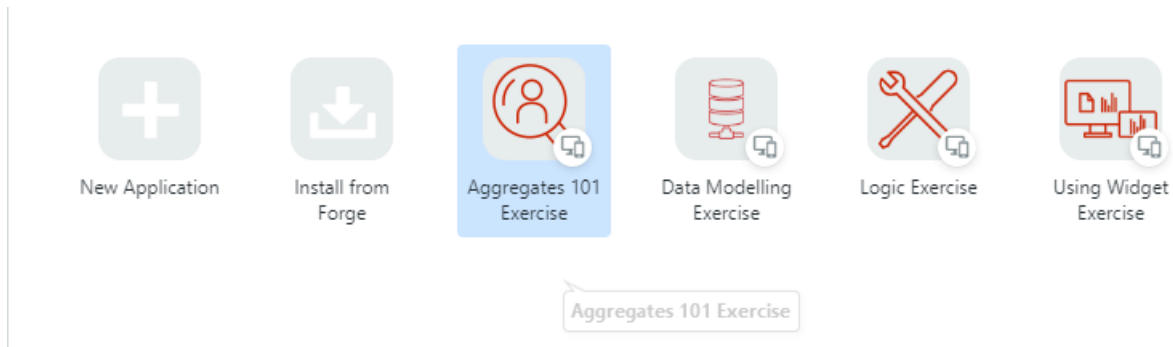
2. Ganti file menjadi oap, dan cari bahan file yang telah didownload di resource.



- Setelah itu pilih proceed untuk melanjutkan penginstalan aggregates 101 exercise.



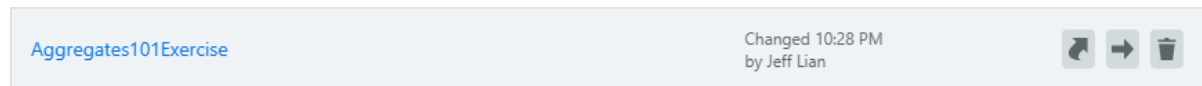
- Aggregate 101 Exercise telah terinstal, klik untuk membuka aplikasi.



- Klik Aggregate 101 Exercise untuk masuk ke workspace.

Modules

Modules allow you to structure your application into several pieces, each piece implementing a specific purpose.



A. Are there any Employees without Email ?

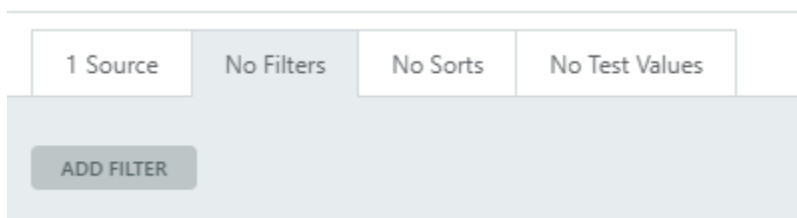
- Tarik aggregate ke dalam workspace.



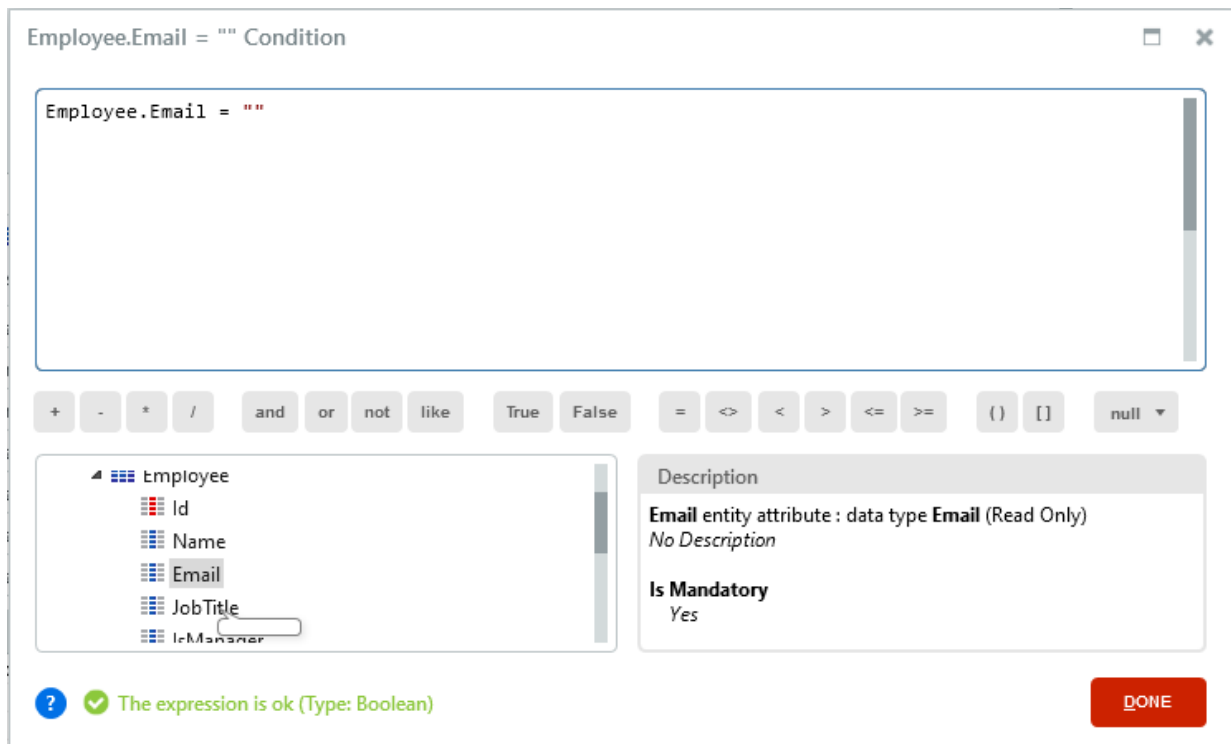
2. Klik 2x kedalam aggregate dan tambahkan Entitiy Employee.



3. Pindah ke halaman filter dan klik add filter.



4. Setelah itu Klik 2x pada bagian Email dan tambahkan ekspresi Boolean.



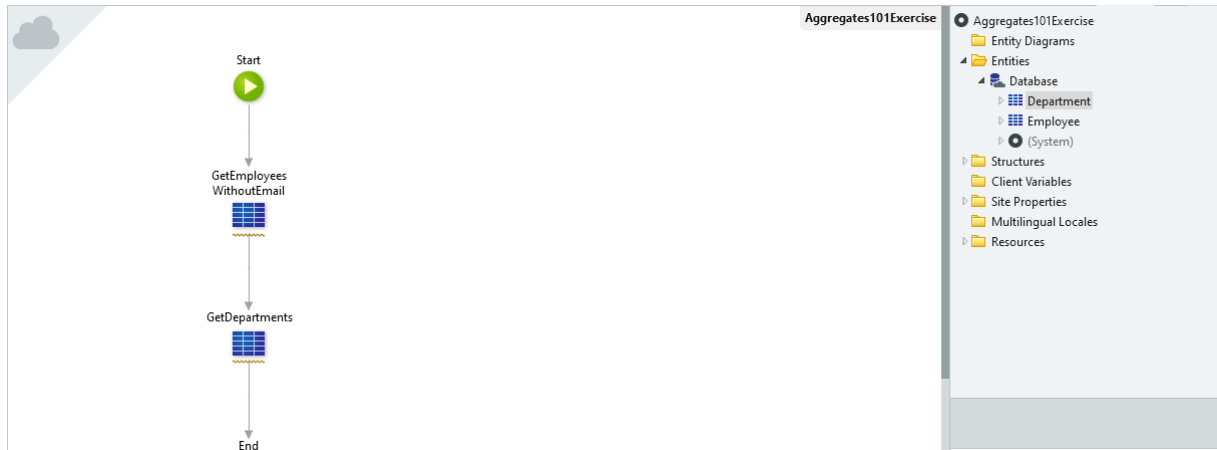
5. Ubah nama dari Get Employees menjadi GetEmployeesWithoutEmail.



6. Jika sudah maka data yang dihasilkan menjadi tidak ada.

B. How many Departments exist that start with the letter "T"?

1. Pada Bagian Data, Tarik Department kedalam workspace.



2. Masuk ke dalam bagian filter dan tambahkan filter dengan kondisi berikut.

3. Jika sudah, maka akan muncul satu data dengan nama Departemen yang dimulai dari huruf T yaitu Training Department.

GetDepartments

Aggregates101Exercise > GetDepartments

1 Source 1 Filter 1 Sorting No Test Values

1 Department.Name like "T%"

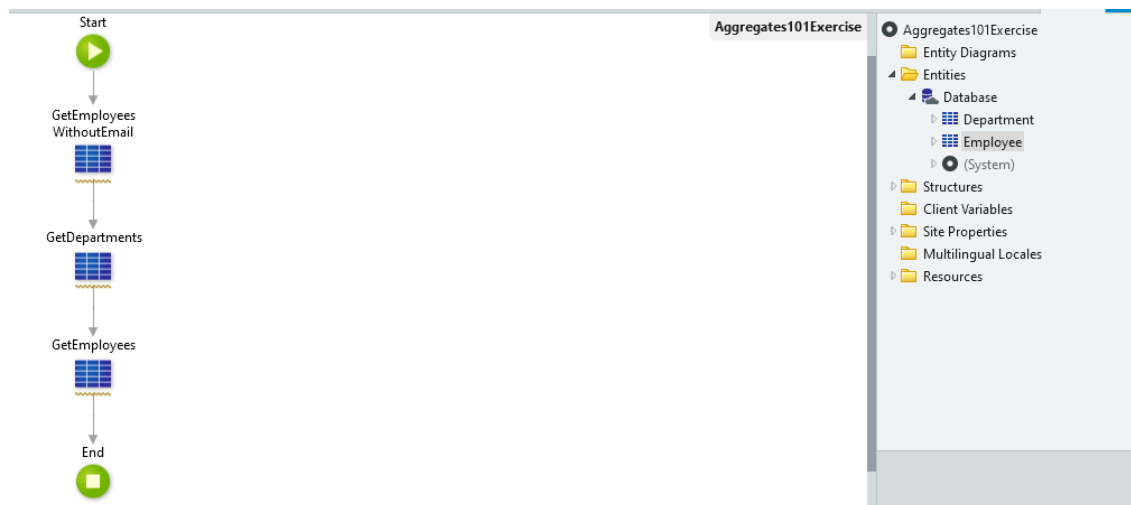
ADD FILTER

| Department | Name |
|------------|------|
| Training | |

NEW ATTRIBUTE

C. What is the Name of the first Employee when sorted alphabetically ?

1. Pada Bagian Data, Tarik Department kedalam workspace.



2. Ganti Nama GetEmployees menjadi GetFirstEmployee.

GetFirstEmployee ?

Aggregate

| | | |
|---------------------|--------------------------|-----|
| Name | GetFirstEmployee | ... |
| Description | | ... |
| Timeout | (Module Default Timeout) | |
| Cache in Mi... | | |
| Max. Records | | ▼ |
| Sources | | |
| Employee | | ... |
| Sorting | | |
| Employee.Name (ASC) | | ... |

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- Selanjutnya, klik 2x ke dalam aggregate dan pilih tab sorting. Nama dari employee pertama secara alfabet adalah Agosto Carhart.

GetFirstEmployee

1 Source No Filters 1 Sorting No Test Values

1 Employee.Name Ascending

ADD SORT ADD DYNAMIC SORT

| Employee Name | Employee Email | Employee JobTitle | Employee IsManager |
|------------------|----------------------------|---------------------------|--------------------|
| Agosto Carhart | acarhartf@domainmarket.com | Environmental Specialist | false |
| Anatol Lago | alago3@archive.org | Teacher | false |
| Anny Ledington | aledington2@chron.com | Senior Sales Associate | true |
| Caddric Saiz | csaiz8@wiley.com | Design Engineer | true |
| Cathleen Martt | cmartt9@yellowpages.com | Internal Auditor | true |
| Ceciley Stickney | cstickneye@typepad.com | VP Marketing | true |
| Cherida Wrate | cwrated@wisc.edu | Account Representative II | true |

D. And, What is the Name of the Last Employee, Alphabetically?

- Untuk yang ini, pada bagian sorting, kita pilih bagian descending. Nama dari employee terakhir secara alfabet adalah Zacharias Pre.

GetFirstEmployee

1 Source No Filters 1 Sorting No Test Values

1 Employee.Name Descending

ADD SORT ADD DYNAMIC SORT

| Employee Name | Employee Email | Employee JobTitle | Employee IsManager |
|-------------------|-------------------------|------------------------|--------------------|
| Zacharias Pre | zpre5@about.com | Occupational Therapist | false |
| Virgil Jimmison | vjimmisonh@tund1.de | Analyst Programmer | false |
| Roseanne Pencott | rpencottk@tiny.cc | Recruiting Manager | true |
| Oralee Broe | obroe1@example.com | Compensation Analyst | false |
| Nicol Toovey | ntooveya@163.com | Geological Engineer | false |
| Mirabella Wetwood | mwetwoodl@canalblog.com | Help Desk Operator | false |
| Irvine Hasser | ihasser7@wufoo.com | Actuary | false |

4 Warnings Debugger 1-Click Publish

1 Uploading Storing a new version into 'https://personal-zognq7ez.outsystemscloud.com/ServiceCenter'. 10:36 PM

2 Compiling Generating and compiling optimized code and database scripts. 10:36 PM

3 Deploying Updating database model and deploying the web application. 10:36 PM

4 Done 'Aggregates101Exercise' is now available at 'https://personal-zognq7ez.outsystemscloud.com/Aggregates101Exercise'. 10:36 PM

Aggregates101Exercise

- Client Actions
 - (System)
- Server Actions
 - Aggregates101Exercise
 - BootstrapDepartments
 - BootstrapEmployees
 - (System)
- Integrations
- Roles
- Exceptions

GetFirstEmployee ?

Aggregate

| Name | GetFirstEmployee |
|----------------------|---------------------------|
| Description | (Module Default Timeout) |
| Timeout | |
| Cache in M... | |
| Max. Records | SELECT TOP (32) [ENEMPLO] |
| Sources | |
| Employee | |
| Sorting | |
| Employee.Name (DESC) | |

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