**DATABASE MANAGEMENT SYSTEM**

**MINGGU 4 – REVIEW DEFINING DATA DEFINITION LANGUAGE (DDL)**

NAMA : ISEP LUTPI NUR

NPM : 2113191079

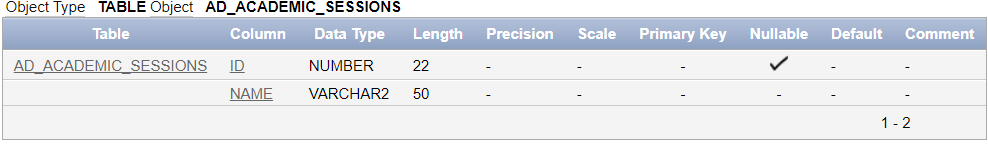
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KELAS : A2

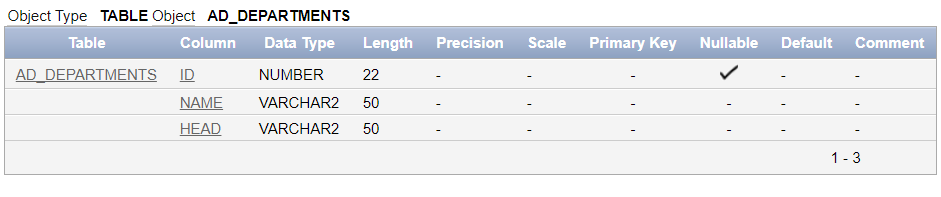
# **Exercise 1: Creating Tables Using Oracle Application Express**

1. **Create the DDL Statements for creating the tables for the Academic Database listed above – include NOT NULL constraints where necessary. (Other constraints will be added later)**

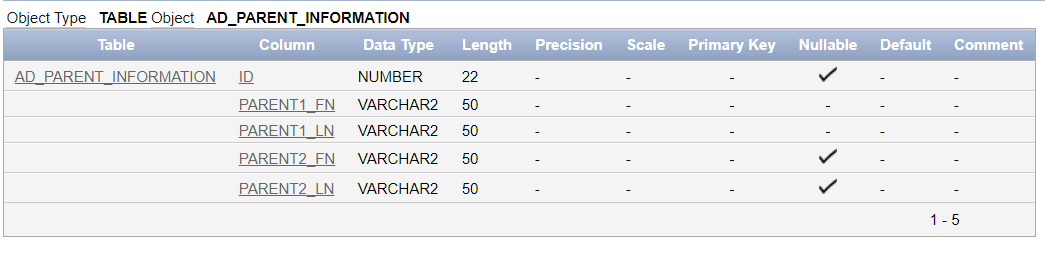
### **Membuat tabel AD\_ACADEMIC\_SESSIONS**



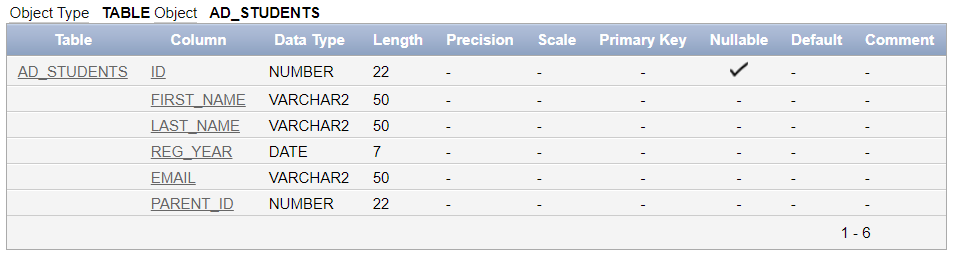
### **Membuat tabel AD\_DEPARTMENTS**



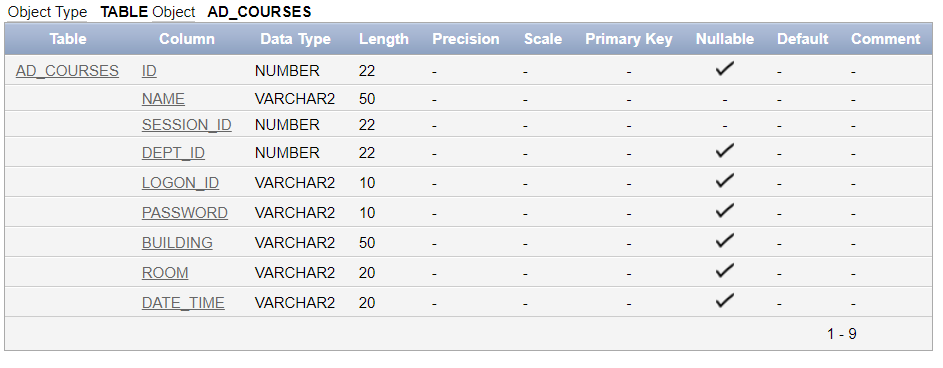
### **Membuat tabel AD\_PARENT\_INFORMATION**



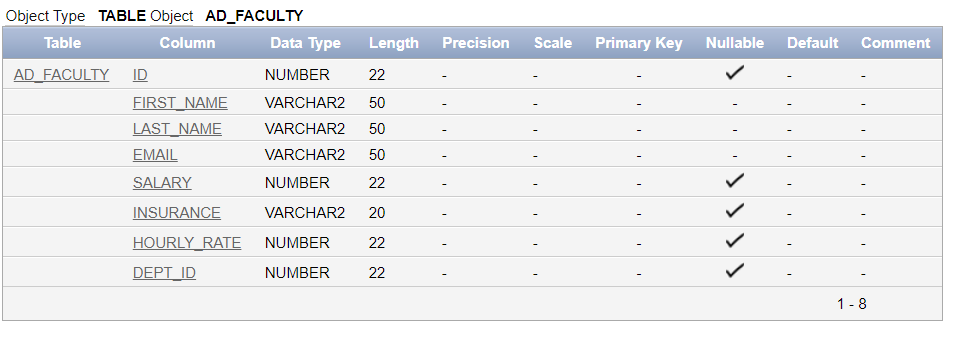
### **Membuat tabel AD\_STUDENTS**



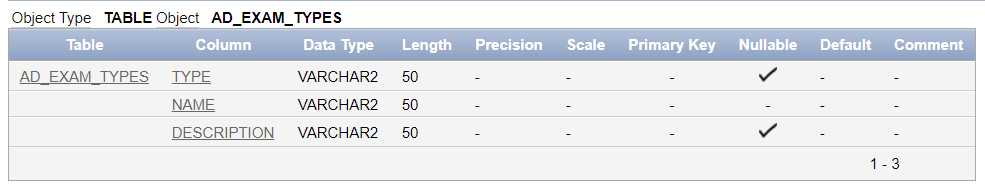
### **Membuat tabel AD\_COURSES**



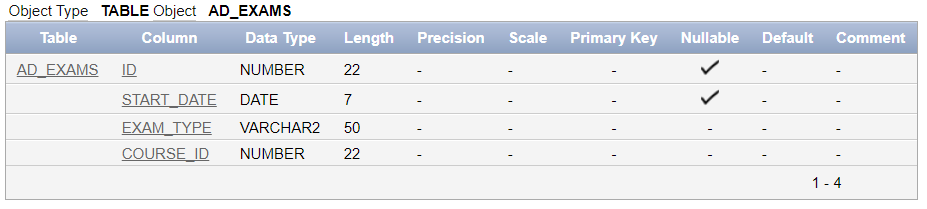
### **Membuat tabel AD\_FACULTY**



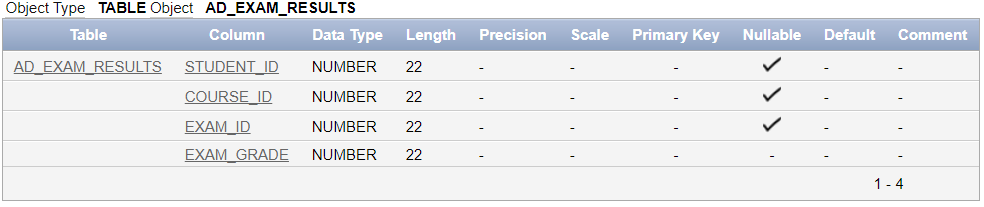
### **Membuat tabel AD\_EXAM\_TYPES**



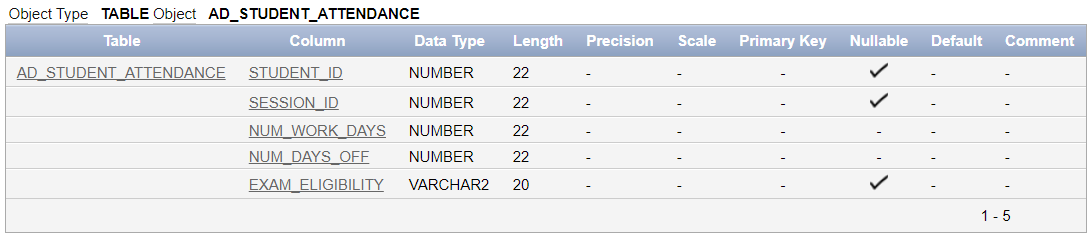
### **Membuat tabel AD\_EXAMS**



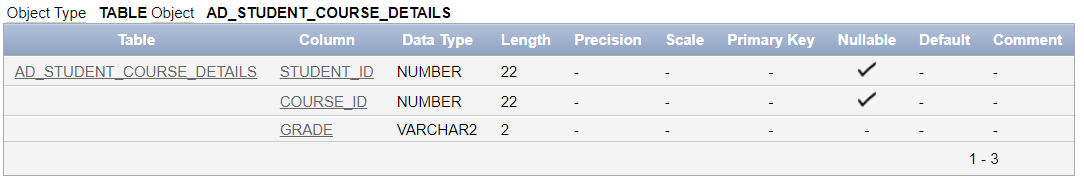
### **Membuat tabel AD\_EXAM\_RESULTS**



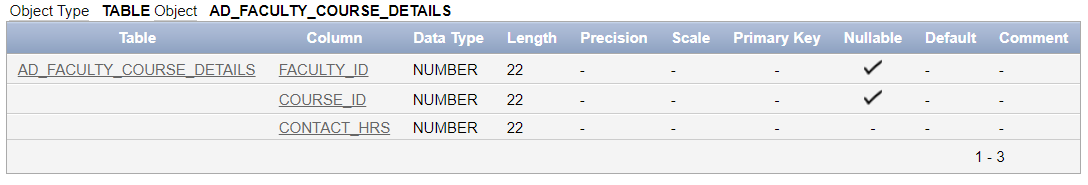
### **Membuat tabel AD\_STUDENT\_ATTENDANCE**



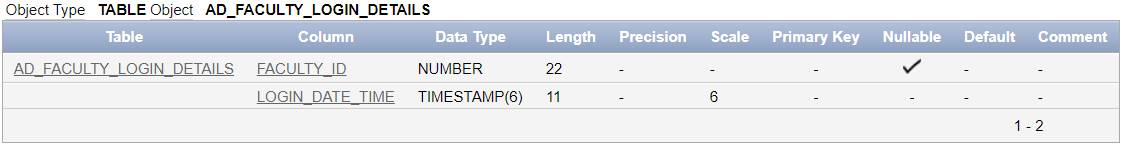
### **Membuat tabel AD\_STUDENT\_COURSE\_DETAILS**



### **Membuat tabel AD\_FACULTY\_COURSE\_DETAILS**



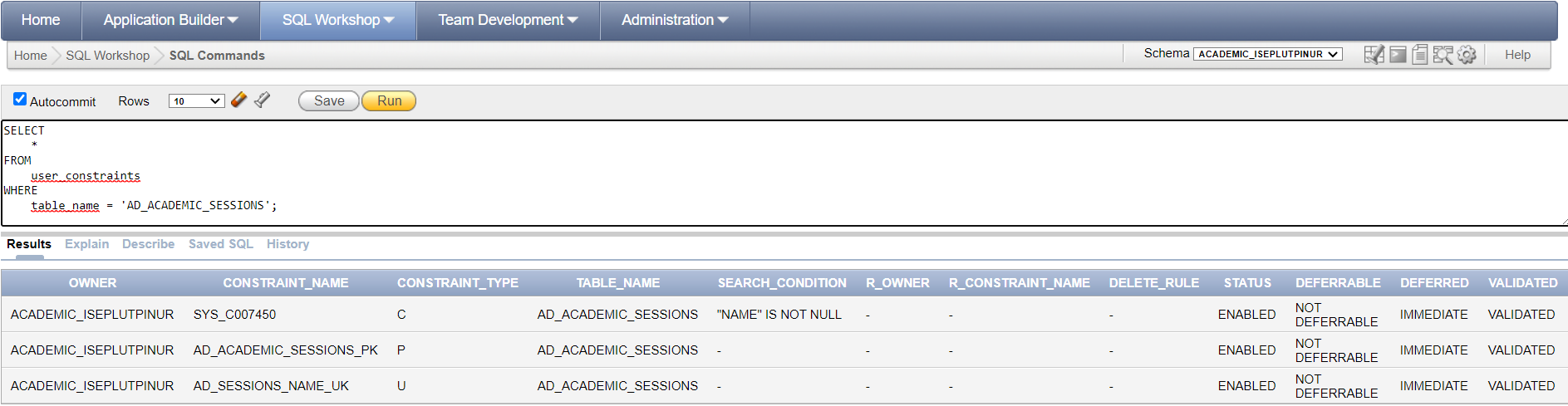
### **Membuat tabel AD\_FACULTY\_LOGIN\_DETAILS**



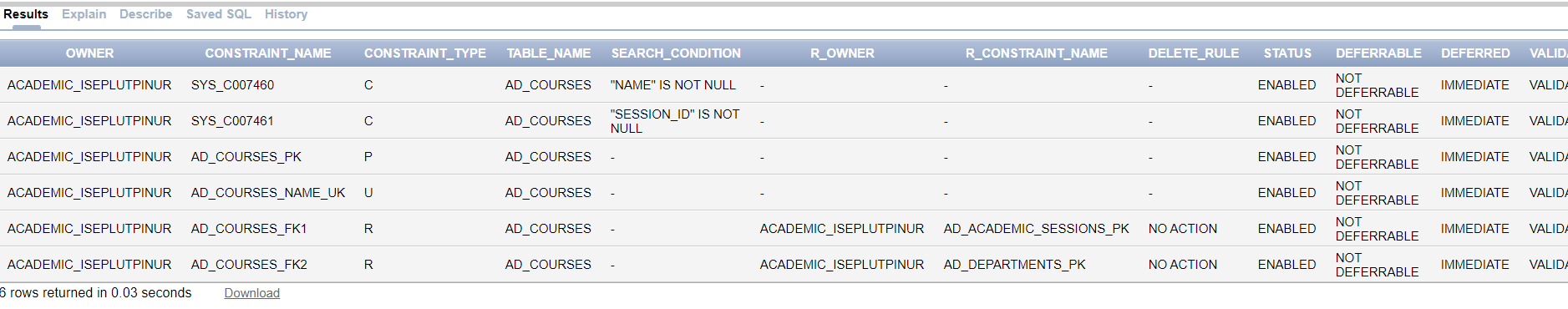
# **Exercise 2: Altering the Tables**

1. **Alter the tables in the Academic Database to define the primary key, foreign key and unique constraints.**

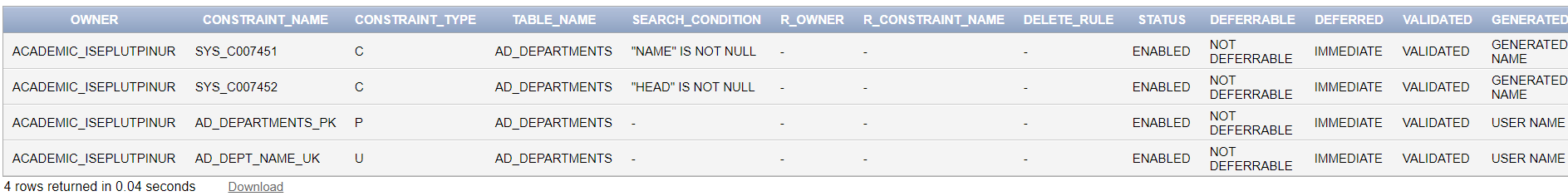
### **Constraint dari table AD\_ACADEMIC\_SESSIONS**



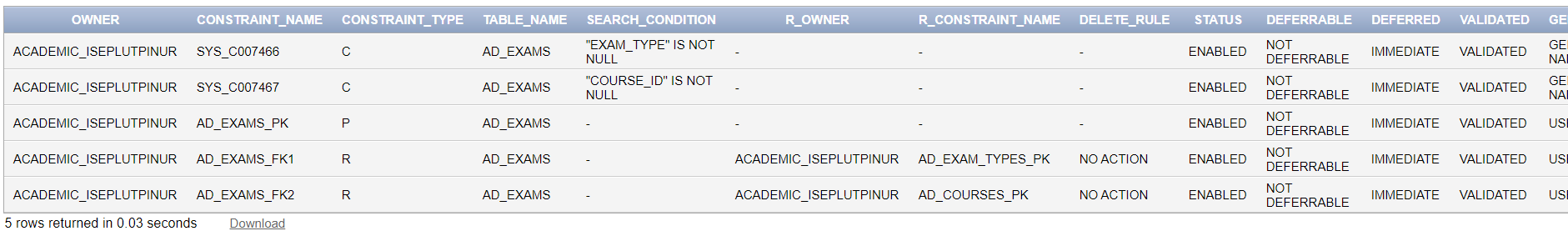
### **Constraint dari table AD\_COURSES**



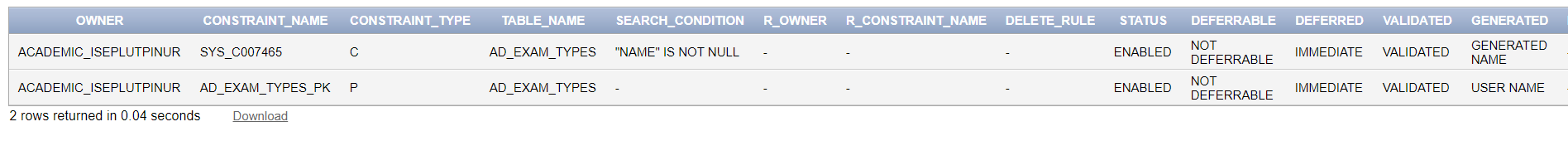
### **Constraint dari table AD\_DEPARTMENTS**



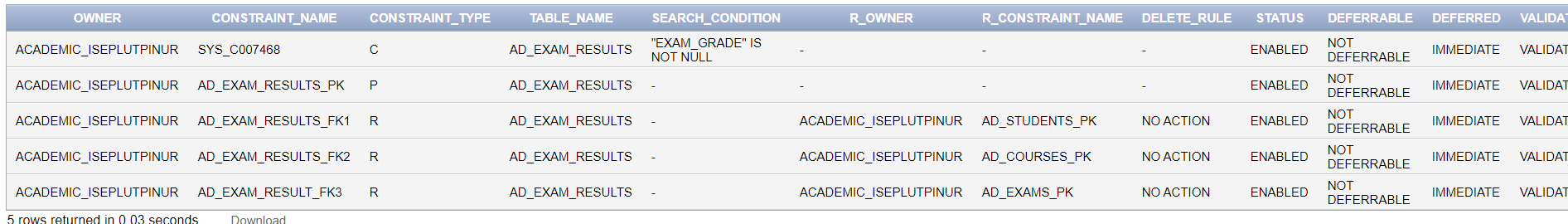
### **Constraint dari table AD\_EXAMS**



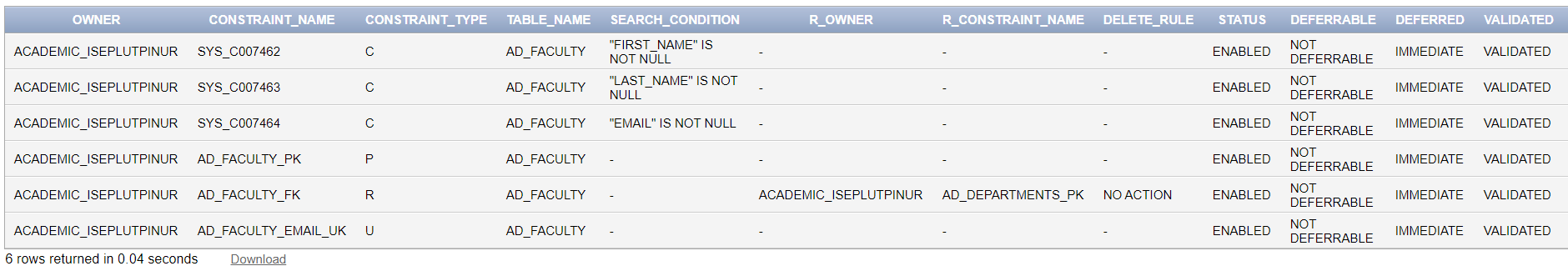
### **Constraint dari table AD\_EXAM\_TYPES**



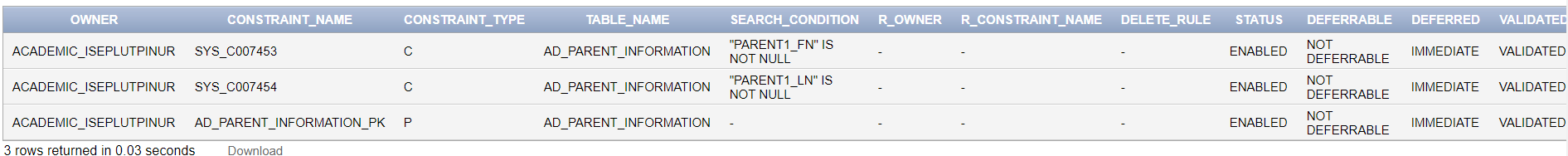
### **Constraint dari table AD\_EXAM\_RESULTS**



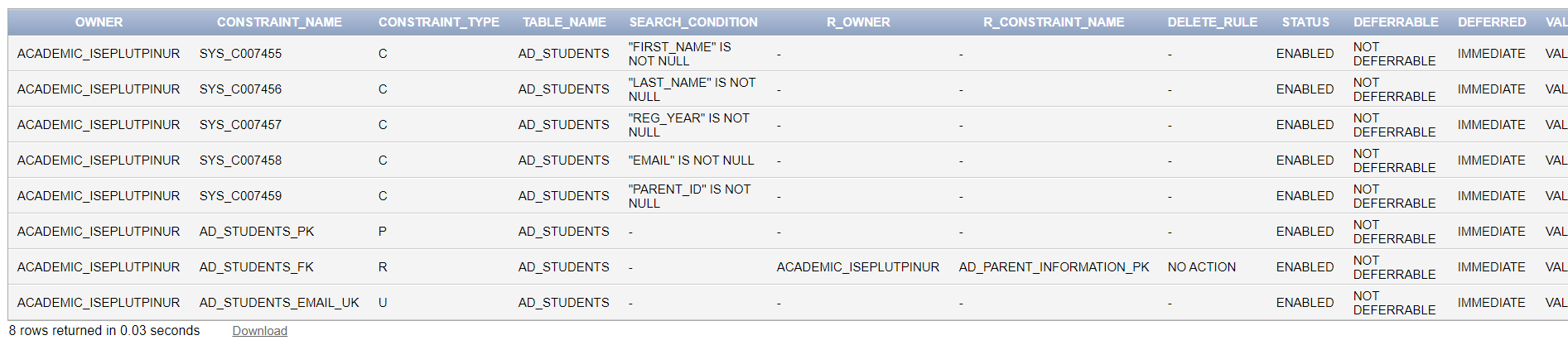
### **Constraint dari table AD\_FACULTY**



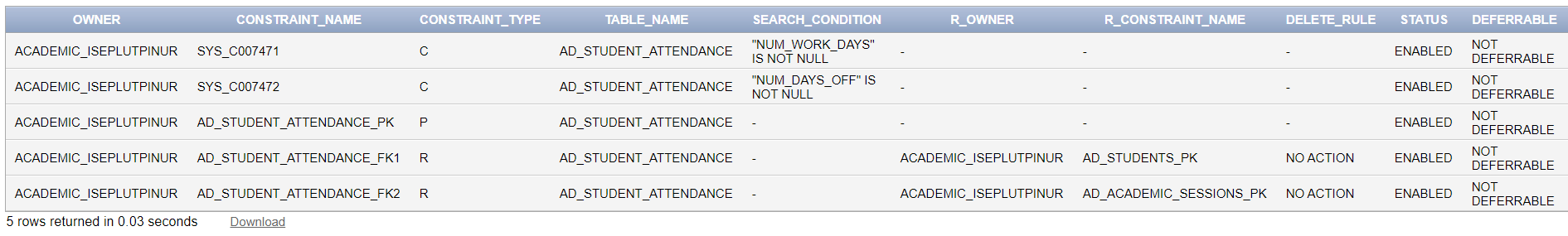
### **Constraint dari table AD\_PARENT\_INFORMATION**



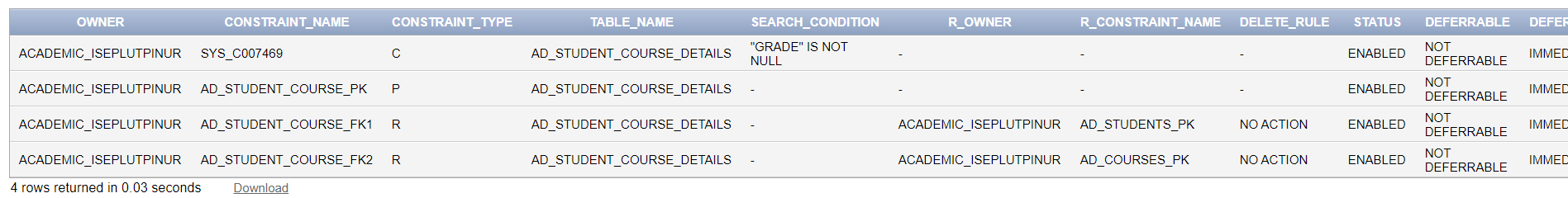
### **Constraint dari table AD\_STUDENTS**



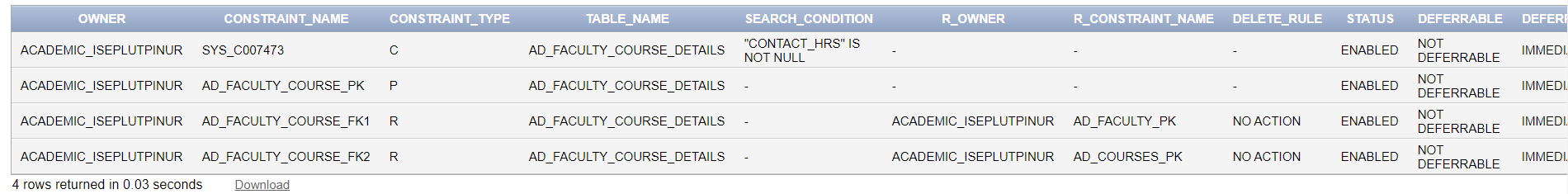
### **Constraint dari table AD\_STUDENT\_ATTENDANCE**



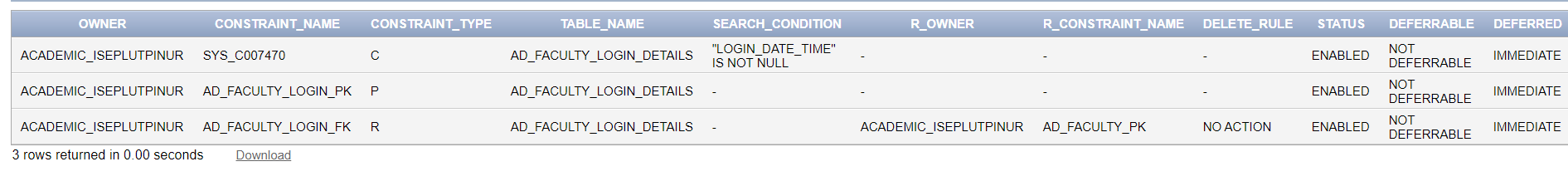
### **Constraint dari table AD\_STUDENT\_COURSE\_DETAILS**



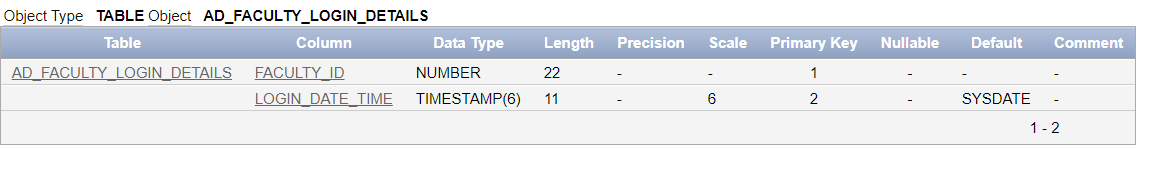
### **Constraint dari table AD\_FACULTY\_COURSE\_DETAILS**



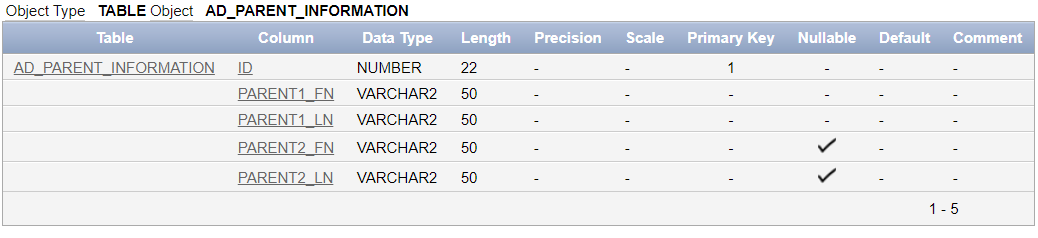
### **Constraint dari table AD\_FACULTY\_LOGIN\_DETAILS**



1. **Alter the table AD\_FACULTY\_LOGIN\_DETAILS and specify a default value for the column LOGIN\_DATE\_TIME of SYSDATE.**

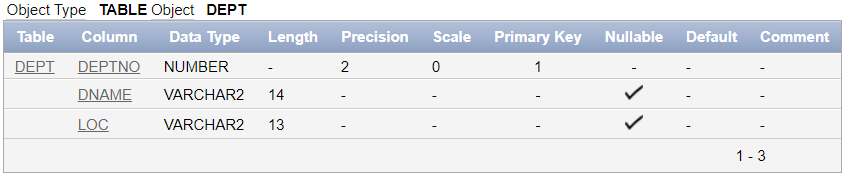


1. **Set the AD\_PARENT\_INFORMATION table to a read-only status.**

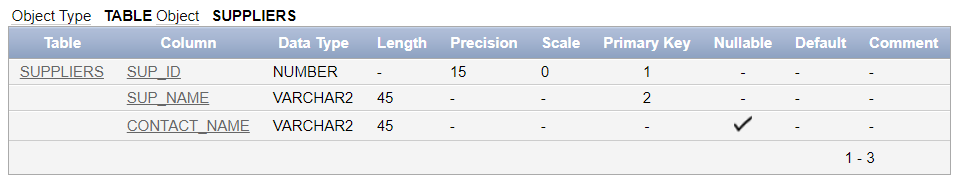
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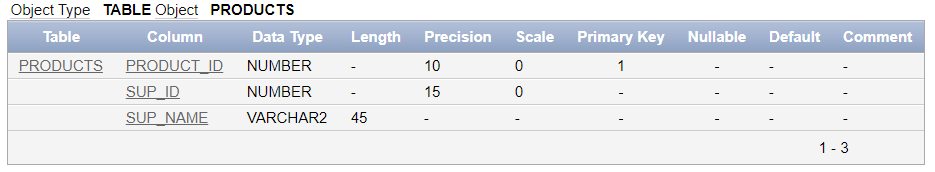
# **Exercise 3: Creating Composite Primary, Foreign and Unique Keys**

## **Create the DEPT table with the following structure:**



## **Create the SUPPLIERS and PRODUCTS table with the following structure:**





## **Create the DEPT\_SAMPLE table with the following structure:**

