

## ACT



Mata Praktikum : ORACLE INTERMEDIET  
Kelas : 3IA20  
Praktikum ke- : 2  
Tanggal : 13 November 2022  
Materi : (PENANGANAN CONSTRAINT)  
NPM : 50420900  
Nama : Muhammad Reza Hidayat  
Ketua Asisten :  
Nama Asisten :  
Paraf Asisten :  
Jumlah Lembar :



**LABORATORIUM TEKNIK INFORMATIKA  
UNIVERSITAS GUNADARMA**

**2022**

# ACT

## INTERMEDIATE ORACLE

### ACTIVITY M2

#### (PENANGANAN CONSTRAINT)

Soal !

1. Buat tabel Supplier dengan ketentuan sebagai berikut ini : (POIN=50)

Nama Field	Tipe Data	Panjang	Constraint
Kodesupp	Number	4	Primary Key
Namasupp	Varchar2	50	Not Null
Alamat	Varchar2	50	Not Null
Telepon	Number	12	Not Null

Output yang diminta :

Kodesupp	Namasupp	Alamat	Telepon
10	PT. Arfinisa	Jl. Matahari No.2 Bekasi	0218201234
20	PT. Arfa Reza	Jl. Bulan No.4 Jakarta	0218393030
30	PT. Arfiginung	Jl. Bintang No.6 Bandung	0324909088
40	PT. Leo	Jl. Meteor No.8 Ambon	0351122334

NB : Jenisbrg yang diperkenankan Makanan, Minuman, Mainan dan Alat Tulis

2. Buat tabel Barang dengan ketentuan sebagai berikut : (POIN=50)

Nama Field	Tipe Data	Panjang	Constraint
Kodebrg	Number	4	Primary Key
Namabrg	Varchar2	50	Unique
Jenisbrg	Varchar2	50	Check
Harga	Number	6	Not Null
Kodesupp	Number	4	Foreign

Output yang diminta:

Kodebrg	Namabrg	Jenisbrg	Harga	Kodesupp
1001	Aqua 1500 ml	Minuman	1500	10
1002	Indomie Kari Ayam	Makanan	1200	10
1003	Buku Tulis SIDU 38	Alat Tulis	2000	20
1004	Boneka Barbie	Mainan	10000	40

## A. LISTING PROGRAM

1. Buat tabel Supplier dengan ketentuan sebagai berikut ini : (POIN=50)

Nama Field	Type Data	Panjang	Constraint
Kodesupp	Number	4	Primary Key
Namasupp	Varchar2	50	Not Null
Alamat	Varchar2	50	Not Null
Telepon	Number	12	Not Null

```
SQL> CREATE TABLE supplier_reza_50420900(  
2     kodesupp number(4),  
3     namasupp varchar2(30) not null,  
4     alamat varchar2(50) not null,  
5     telephone number(12) not null,  
6     constraint supplier_kodesupp_pk primary key(kodesupp));
```

```
SQL> CREATE TABLE supplier_reza_50420900(  
2     kodesupp number(4),  
3     namasupp varchar2(30) not null,  
4     alamat varchar2(50) not null,  
5     telephone number(12) not null,  
6     constraint supplier_kodesupp_pk primary key(kodesupp));
```

Table created.

```
SQL> DESC supplier_reza_50420900;
```

Name	Null?	Type
-----	-----	-----
KODESUPP	NOT NULL	NUMBER(4)
NAMASUPP	NOT NULL	VARCHAR2(30)
ALAMAT	NOT NULL	VARCHAR2(50)
TELEPHONE	NOT NULL	NUMBER(12)

Output yang diminta :

NB : Jenisbrg yang diperkenankan Makanan, Minuman, Mainan dan Alat Tulis

Kodesupp	Namasupp	Alamat	Telepon
10	PT. Arfinisa	Jl. Matahari No.2 Bekasi	0218201234
20	PT. Arfa Reza	Jl. Bulan No.4 Jakarta	0218393030
30	PT. Arfiginung	Jl. Bintang No.6 Bandung	0324909088
40	PT. Leo	Jl. Meteor No.8 Ambon	0351122334

```
SQL> INSERT all
```

```
2     into supplier_reza_50420900 values(10,'PT. arfinisa','Jl. matahari  
no.2 bekasi','0218201234')
```

```
3     into supplier_reza_50420900 values(20,'PT. arfa reza','Jl. bulan no.4  
jakarta','02183893030')
```

```

4      into supplier_reza_50420900 values(30,'PT. arfiginung','Jl. bintang
no.6 bandung','0324909088')

5      into supplier_reza_50420900 values(40,'PT. leo','Jl. meteor no.8
ambon','0351122334')

6      select * from dual;

```

```

SQL> INSERT all
2      into supplier_reza_50420900 values(10,'PT. arfinisa','Jl. matahari no.2 bekasi','0218201234')
3      into supplier_reza_50420900 values(20,'PT. arfa reza','Jl. bulan no.4 jakarta','02183893030')
4      into supplier_reza_50420900 values(30,'PT. arfiginung','Jl. bintang no.6 bandung','0324909088')
5      into supplier_reza_50420900 values(40,'PT. leo','Jl. meteor no.8 ambon','0351122334')
6      select * from dual;

4 rows created.

SQL> SELECT * FROM supplier_reza_50420900;

  KODESUPP  NAMASUPP
-----
ALAMAT                                           TELEPHONE
-----
10 PT. arfinisa
Jl. matahari no.2 bekasi                        218201234

20 PT. arfa reza
Jl. bulan no.4 jakarta                          2183893030

30 PT. arfiginung
Jl. bintang no.6 bandung                        324909088

  KODESUPP  NAMASUPP
-----
ALAMAT                                           TELEPHONE
-----
40 PT. leo
Jl. meteor no.8 ambon                          351122334

```

2. Buat tabel Barang dengan ketentuan sebagai berikut : (POIN=50)

Nama Field	Type Data	Panjang	Constraint
Kodebrg	Number	4	Primary Key
Namabrg	Varchar2	50	Unique
Jenisbrg	Varchar2	50	Check
Harga	Number	6	Not Null
Kodesupp	Number	4	Foreign

```

SQL> CREATE TABLE barangreza50420900(
2      kodebrg number(4),
3      namabrg varchar2(50),
4      jenisbrg varchar2(50),
5      harga number(6) not null,
6      kodesupp number(4),
7      constraint barangreza50420900_kodebrg_pk primary key(kodebrg),
8      constraint barangreza50420900_namabrg_uk unique(namabrg),
9      constraint barangreza50420900_jenisbrg_ck check(Jenisbrg in
('makanan','minuman','mainan','alat tulis')),

```

```

10      constraint barangreza50420900_kodesupp_fk foreign key(kodesupp)
references supplier_reza_50420900(kodesupp));

SQL> CREATE TABLE barangreza50420900(
2      kodebrg number(4),
3      namabrg varchar2(50),
4      jenisbrg varchar2(50),
5      harga number(6) not null,
6      kodesupp number(4),
7      constraint barangreza50420900_kodebrg_pk primary key(kodebrg),
8      constraint barangreza50420900_namabrg_uk unique(namabrg),
9      constraint barangreza50420900_jenisbrg_ck check(jenisbrg in ('makanan','minuman','mainan','alat tulis')),
10     constraint barangreza50420900_kodesupp_fk foreign key(kodesupp) references supplier_reza_50420900(kodesupp));

Table created.

SQL> desc barangreza50420900;
Name                                     Null?    Type
-----
KODEBRG                                NOT NULL NUMBER(4)
NAMABRG                                VARCHAR2(50)
JENISBRG                               VARCHAR2(50)
HARGA                                  NOT NULL NUMBER(6)
KODESUPP                              NUMBER(4)

```

Output yang diminta:

Kodebrg	Namabrg	Jenisbrg	Harga	Kodesupp
1001	Aqua 1500 ml	Minuman	1500	10
1002	Indomie Kari Ayam	Makanan	1200	10
1003	Buku Tulis SIDU 38	Alat Tulis	2000	20
1004	Boneka Barbie	Mainan	10000	40

```

SQL> INSERT all
2      into barangreza50420900 values(1001,'aqua 1500ml','minuman',1500,10)
3      into barangreza50420900 values(1002,'indomie kari
ayam','makanan',1200,10)
4      into barangreza50420900 values(1003,'buku tulis sidu 38','alat
tulis',2000,20)
5      into barangreza50420900 values(1004,'boneka barbie','mainan',10000,40)
6      SELECT * FROM dual;

```

```

SQL> INSERT all
2   into barangreza50420900 values(1001,'aqua 1500ml','minuman',1500,10)
3   into barangreza50420900 values(1002,'indomie kari ayam','makanan',1200,10)
4   into barangreza50420900 values(1003,'buku tulis sidu 38','alat tulis',2000,20)
5   into barangreza50420900 values(1004,'boneka barbie','mainan',10000,40)
6   SELECT * FROM dual;

```

4 rows created.

```
SQL> SELECT * FROM barangreza50420900;
```

KODEBRG	NAMABRG			
JENISBRG		HARGA	KODESUPP	
1001	aqua 1500ml			
minuman		1500	10	
1002	indomie kari ayam			
makanan		1200	10	
1003	buku tulis sidu 38			
alat tulis		2000	20	
1004	boneka barbie			
mainan		10000	40	



## B. OUPUT PROGRAM

```
projek2 - outputsql
1 Microsoft Windows [Version 10.0.19042.685]
2 (c) 2020 Microsoft Corporation. All rights reserved.
3
4 C:\Windows\system32:sqlplus
5
6 SQL*Plus: Release 10.2.0.3.0 - Production on Wed Oct 26 05:41:47 2022
7
8 Copyright (c) 1982, 2006, Oracle. All Rights Reserved.
9
10 Enter user-name: system
11 Enter password:
12
13 Connected to:
14 Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production
15 With the Partitioning, OLAP and Data Mining options
16
17 SQL> CREATE TABLE supplier_reza_50420900(
18 2 kodesupp number(4),
19 3 namasupp varchar2(30) not null,
20 4 alamat varchar2(50) not null,
21 5 telephone number(12) not null,
22 6 constraint supplier_kodesupp_pk primary key(kodesupp));
23
24 Table created.
25
26 SQL> DESC supplier_reza_50420900;
27
28
29
30
31
32
33
34 SQL> INSERT all
35 2 into supplier_reza_50420900 values(10,'PT. arfinisa','Jl. matahari no.2 bekasi','0210201234')
36 3 into supplier_reza_50420900 values(20,'PT. arfa reza','Jl. bulan no.4 jakarta','02183893030')
37 4 into supplier_reza_50420900 values(30,'PT. arfiginung','Jl. bintang no.6 bandung','0324909088')
38 5 into supplier_reza_50420900 values(40,'PT. leo','Jl. meteor no.8 ambon','0351122334')
39 6 select * from dual;
40
41 4 rows created.
42
43 SQL> SELECT * FROM supplier_reza_50420900;
44
45 KODESUPP NAMASUPP
46 -----
47 ALAMAT TELEPHONE
48 -----
49 10 PT. arfinisa 218201234
50 Jl. matahari no.2 bekasi
51
52 20 PT. arfa reza 2183893030
53 Jl. bulan no.4 jakarta
54
55 30 PT. arfiginung 324909088
56 Jl. bintang no.6 bandung
57
58 KODESUPP NAMASUPP
59 -----
60 ALAMAT TELEPHONE
61 -----
62 40 PT. leo 351122334
63 Jl. meteor no.8 ambon
64
65
66 SQL> CREATE TABLE barangreza50420900(
67 2 kodebrg number(4),
68 3 namabrg varchar2(50),
69 4 jenisbrg varchar2(50),
70 5 harga number(6) not null,
71 6 kodesupp number(4),
72 7 constraint barangreza50420900_kodebrg_pk primary key(kodebrg),
73 8 constraint barangreza50420900_namabrg_uk unique(namabrg),
74 9 constraint barangreza50420900_jenisbrg_fk check(jenisbrg in ('makanan','minuman','mainan','alat tulis')),
75 10 constraint barangreza50420900_kodesupp_fk foreign key(kodesupp) references supplier_reza_50420900(kodesupp));
76
77 Table created.
78
79 SQL> desc barangreza50420900;
80
81
82
83
84
85
86
87
88
89 SQL> INSERT all
90 2 into barangreza50420900 values(1001,'aqua 1500ml','minuman',1500,10)
91 3 into barangreza50420900 values(1002,'indomie kari ayam','makanan',1200,10)
92 4 into barangreza50420900 values(1003,'buku tulis sidu 38','alat tulis',2000,20)
93 5 into barangreza50420900 values(1004,'boneka barbie','mainan',10000,40)
94 6 SELECT * FROM dual;
95
96 4 rows created.
97
98 SQL> SELECT * FROM barangreza50420900;
99
100 KODEBRG NAMABRG
101 -----
102 JENISBRG HARGA KODESUPP
103 -----
104 1001 aqua 1500ml 1500 10
105 minuman
106
107 1002 indomie kari ayam 1200 10
108 makanan
109
110 1003 buku tulis sidu 38 2000 20
111 alat tulis
112
113 KODEBRG NAMABRG
114 -----
115 JENISBRG HARGA KODESUPP
116 -----
117 1004 boneka barbie 10000 40
118 mainan
119
120
121 SQL>
```