**BASIS DATA**

**TUGAS PRAKTIKUM UJIAN TENGAH SEMESTER GANJIL 2019 /2020**

**NAMA : ADE LITA**

**NIM : 20180801317**

**PRODY : TEKNIK INFOMATIKA**

**SOAL** :

1. Perhatikan Diagram dibawah ini :

|  |
| --- |
| Customer |
| Cus ID |
| First Name |
| Middle Name |
| Last Name |
| Shipping Address |
| Email |
| Contact |

|  |
| --- |
| Product |
| Product ID |
| Product Name |
| Category |
| Buy Price |
| Sell Price |
| Product Image |
| Description |

|  |
| --- |
| Order |
| Order No |
| Customer |
| Date |
| Is Deliver |

|  |
| --- |
| Employee |
| Emp ID |
| First Name |
| Middle Name |
| Last Name |
| Father Name |
| Mother Name |
| Email |
| Gender |
| Date of Birth |
| Marital Status |
| Address |

|  |
| --- |
| Login |
| User ID |
| Password |
| Access Level |

|  |
| --- |
| Payment |
| Payment No |
| Payment Type |
| Date |
| Amount |

|  |
| --- |
| Stock |
| Product Name |
| Quantity |
| Date |
| Stock By |

|  |
| --- |
| Order Details |
| Order No |
| Product Name |
| Quantity |

|  |
| --- |
| Shipment |
| Shipment Address |
| Shipment Date |
| Note |
| Shipment Contact |

Dari Diagram online shop diatas, buatlah :

1. Entity Diagram
2. Tentukan hubungan antar entity
3. Tentukan Primary Key dan Foreign Key yang dibutuhkan
4. Create Table
5. Insert Data (bebas) untuk semua table
6. Tampilkan data transaksi
7. Tampilkan produk terbanyak dijual
8. Tampilkan presentasi penjualan tiap hari untuk masing-masing produk

**ENTITY DIAGRAM**

|  |
| --- |
| Customer |
| Cus ID |
| First Name |
| Middle Name |
| Last Name |
| Shipping Address |
| Email |
| Contact |

|  |
| --- |
| Product |
| Product ID |
| Product Name |
| Category |
| Buy Price |
| Sell Price |
| Product Image |
| Description |

|  |
| --- |
| Order |
| Order No |
| Customer |
| Date |
| Is Deliver |

|  |
| --- |
| Employee |
| Emp ID |
| First Name |
| Middle Name |
| Last Name |
| Father Name |
| Mother Name |
| Email |
| Gender |
| Date of Birth |
| Marital Status |
| Address |

|  |
| --- |
| Login |
| User ID |
| Password |
| Access Level |

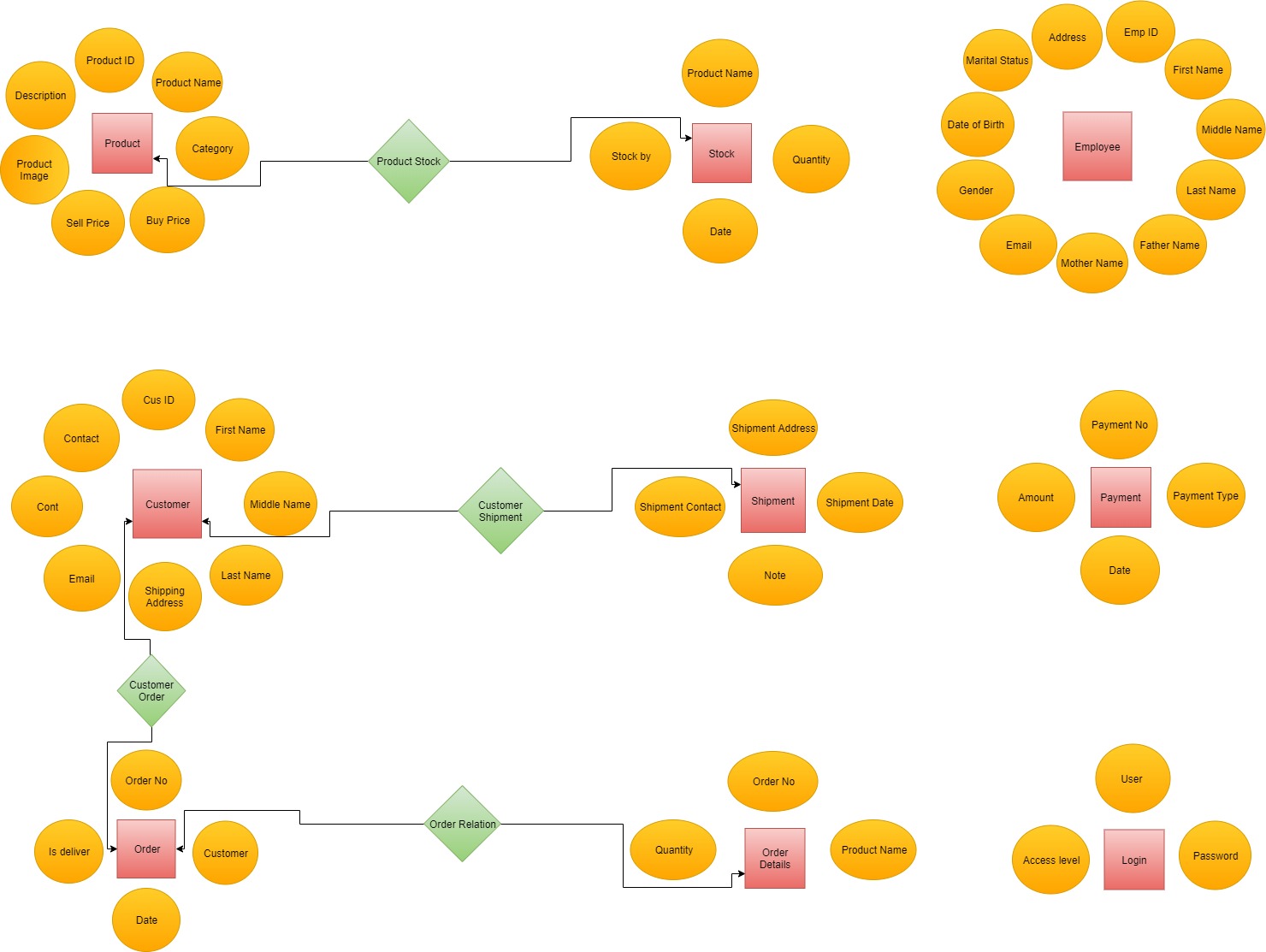
|  |
| --- |
| Payment |
| Payment No |
| Payment Type |
| Date |
| Amount |

|  |
| --- |
| Stock |
| Product Name |
| Quantity |
| Date |
| Stock By |

|  |
| --- |
| Order Details |
| Order No |
| Product Name |
| Quantity |

|  |
| --- |
| Shipment |
| Shipment Address |
| Shipment Date |
| Note |
| Shipment Contact |

**HUBUNGAN ANTAR ENTITY**



**PRIMERY KEY DAN FOREIGN KEY**

|  |
| --- |
| Product |
| Product ID (PK) |
| Product Name |
| Category |
| Buy Price |
| Sell Price |
| Product Image |
| Description |

|  |
| --- |
| Customer |
| Cus ID (PK) |
| First Name |
| Middle Name |
| Last Name |
| Shipping Address |
| Email |
| Contact |

|  |
| --- |
| Order |
| Order No (PK) |
| Customer (FK) |
| Date |
| Is Deliver |

|  |
| --- |
| Stock |
| Product Name (FK) |
| Quantity |
| Date |
| Stock By |

|  |
| --- |
| Order Details |
| Order No (FK) |
| Product Name (FK) |
| Quantity |

CREATE TABLE "ADE\_PRODUCT"

( "PRODUCT\_ID" NUMBER,

"PRODUCT\_NAME" VARCHAR2(50),

"CATEGORY" VARCHAR2(25),

"BUY\_PRICE" NUMBER NOT NULL ENABLE,

"SELL\_PRICE" NUMBER NOT NULL ENABLE,

"PRODUC\_IMAGE" VARCHAR2(50),

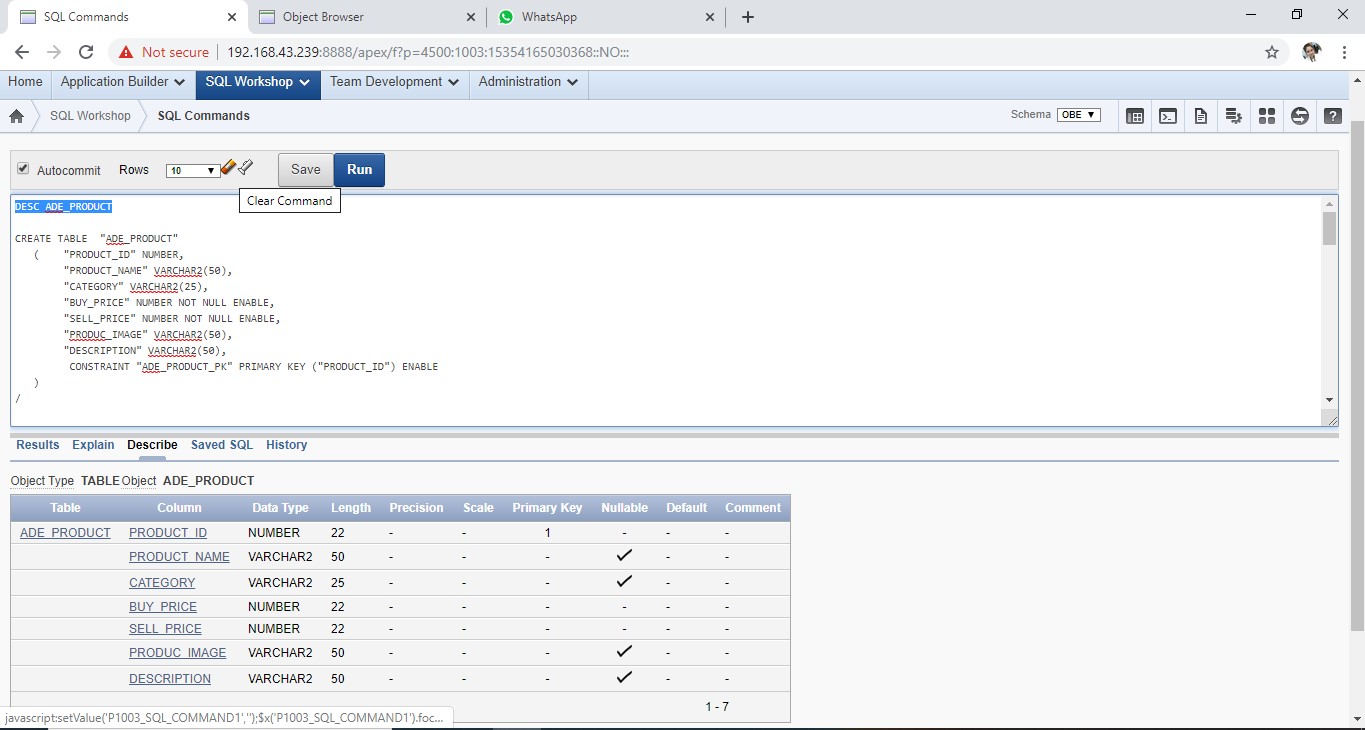
"DESCRIPTION" VARCHAR2(50),

CONSTRAINT "ADE\_PRODUCT\_PK" PRIMARY KEY ("PRODUCT\_ID") ENABLE

)

/

DESC ADE\_PRODUCT



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CREATE TABLE "ADE\_CUSTOMER"

( "CUS\_ID" NUMBER,

"FIRST\_NAME" VARCHAR2(25) NOT NULL ENABLE,

"MIDDLE\_NAME" VARCHAR2(25),

"LAST\_NAME" VARCHAR2(25),

"SHIPPING\_ADDRESS" VARCHAR2(50) NOT NULL ENABLE,

"EMAIL" VARCHAR2(25),

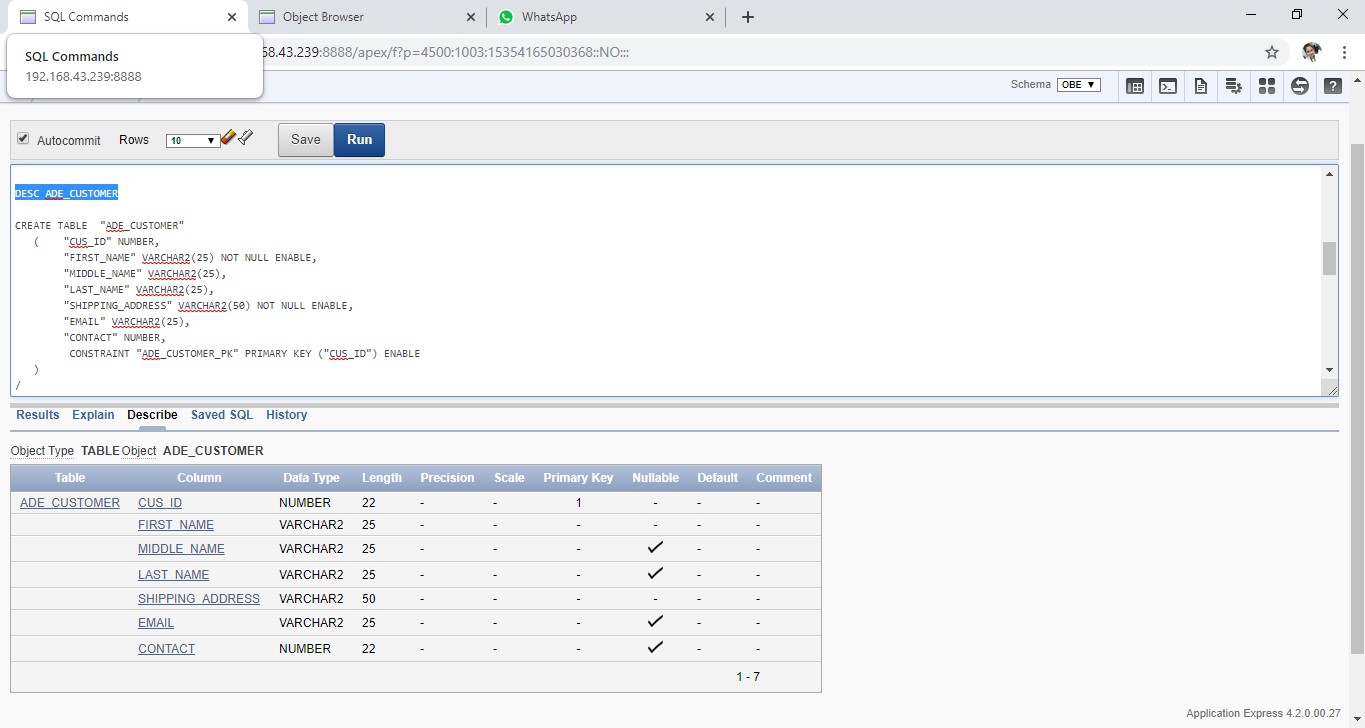
"CONTACT" NUMBER,

CONSTRAINT "ADE\_CUSTOMER\_PK" PRIMARY KEY ("CUS\_ID") ENABLE

)

/

DESC ADE\_CUSTOMER



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CREATE TABLE "ADE\_ORDER"

( "ORDER\_NO" NUMBER,

"CUSTOMER" NUMBER,

"DATES" DATE,

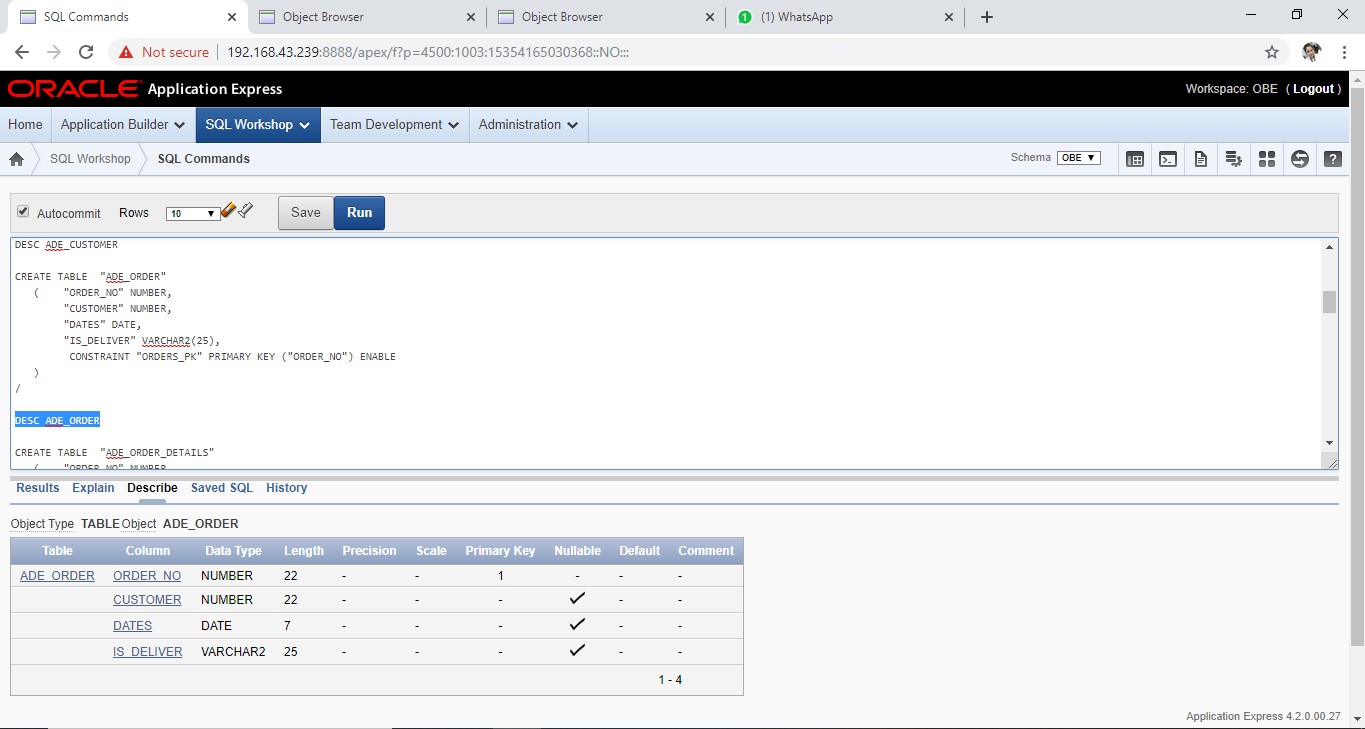
"IS\_DELIVER" VARCHAR2(25),

CONSTRAINT "ORDERS\_PK" PRIMARY KEY ("ORDER\_NO") ENABLE

)

/

DESC ADE\_ORDER



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CREATE TABLE "ADE\_ORDER\_DETAILS"

( "ORDER\_NO" NUMBER,

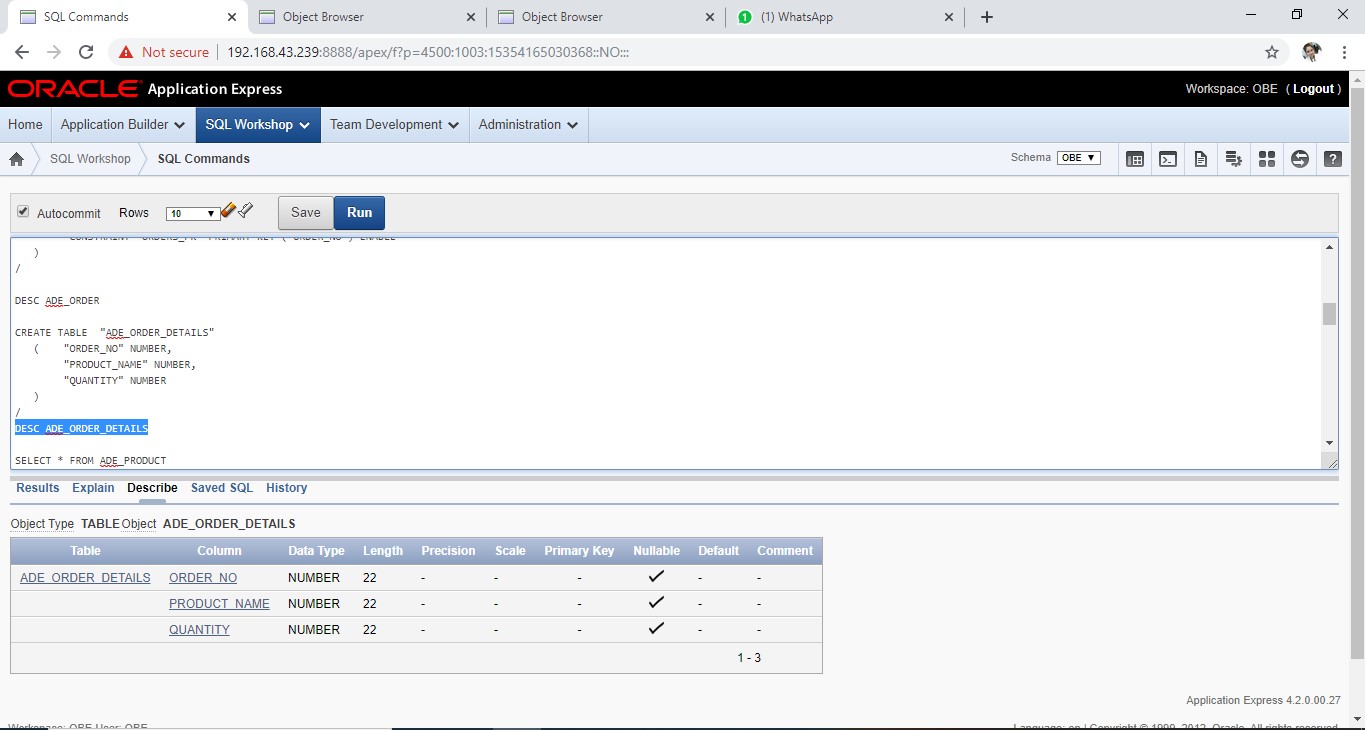
"PRODUCT\_NAME" NUMBER,

"QUANTITY" NUMBER

)

/

DESC ADE\_ORDER\_DETAILS



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SELECT \* FROM ADE\_PRODUCT

INSERT ADE\_PRODUCT

VALUES ('123','SAPU','ALAT KEBERSIHAN','25000','35000','','')

INSERT ADE\_PRODUCT

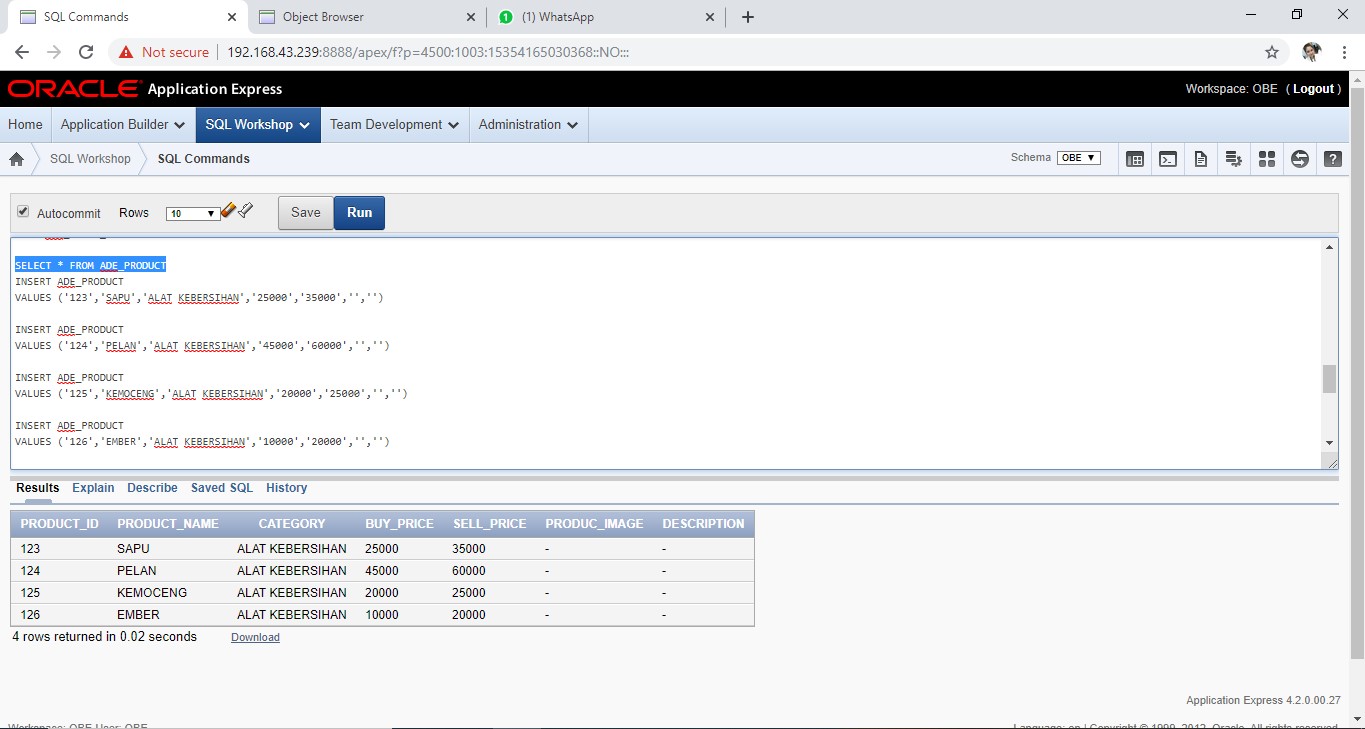
VALUES ('124','PELAN','ALAT KEBERSIHAN','45000','60000','','')

INSERT ADE\_PRODUCT

VALUES ('125','KEMOCENG','ALAT KEBERSIHAN','20000','25000','','')

INSERT ADE\_PRODUCT

VALUES ('126','EMBER','ALAT KEBERSIHAN','10000','20000','','')



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SELECT \* FROM ADE\_CUSTOMER

INSERT ADE\_CUSTOMER

VALUES ('111','ADE','','LITA','PERUM GRIYA PERMAI','LITAADE5@GMAIL.COM','085213009529')

INSERT ADE\_CUSTOMER

VALUES ('112','NABILA','IZZATUN','NISA','KOTA

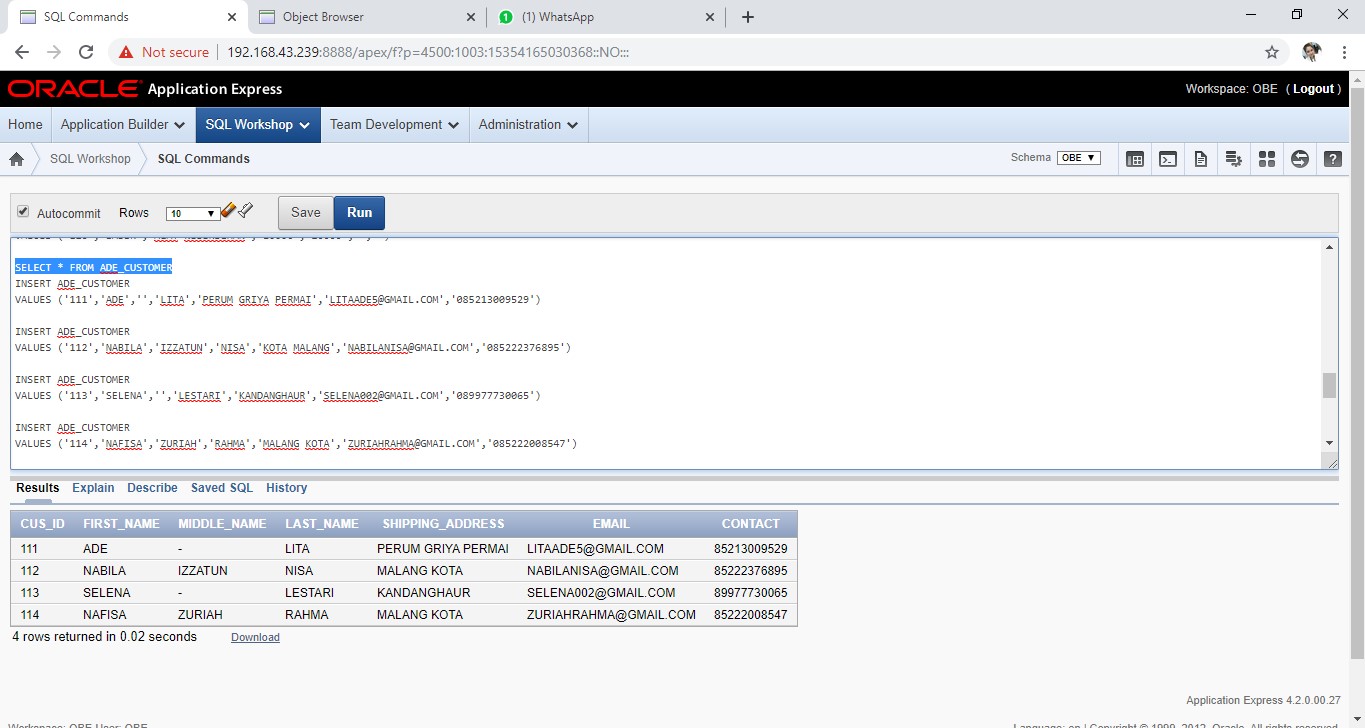
MALANG','NABILANISA@GMAIL.COM','085222376895')

INSERT ADE\_CUSTOMER

VALUES ('113','SELENA','','LESTARI','KANDANGHAUR','SELENA002@GMAIL.COM','089977730065')

INSERT ADE\_CUSTOMER

VALUES ('114','NAFISA','ZURIAH','RAHMA','MALANG KOTA','ZURIAHRAHMA@GMAIL.COM','085222008547')



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SELECT \* FROM ADE\_ORDER

INSERT ADE\_ORDER

VALUES ('997','111','09/11/2019','DELIVER')

INSERT ADE\_ORDER

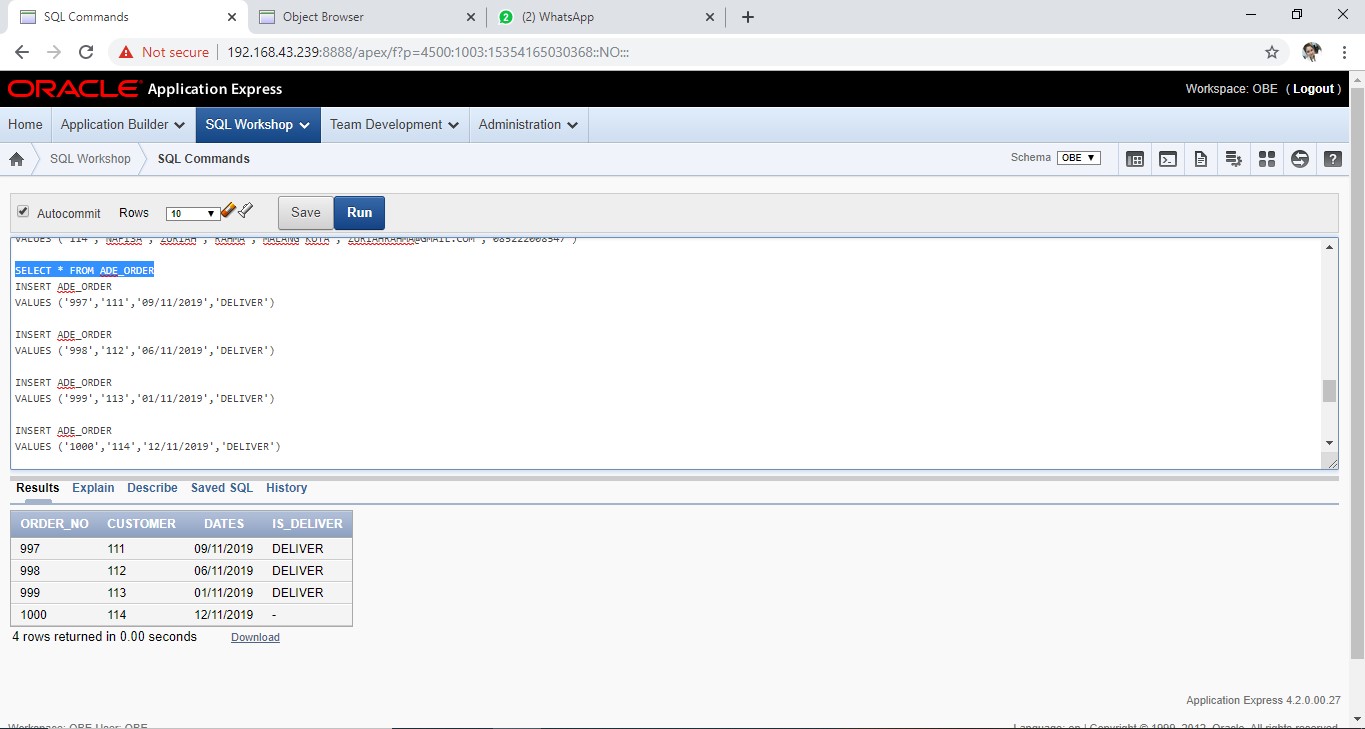
VALUES ('998','112','06/11/2019','DELIVER')

INSERT ADE\_ORDER

VALUES ('999','113','01/11/2019','DELIVER')

INSERT ADE\_ORDER

VALUES ('1000','114','12/11/2019','DELIVER')



==================================================================================

SELECT \* FROM ADE\_ORDER\_DETAILS

INSERT ADE\_ORDER

VALUES ('998','125','3')

INSERT ADE\_ORDER

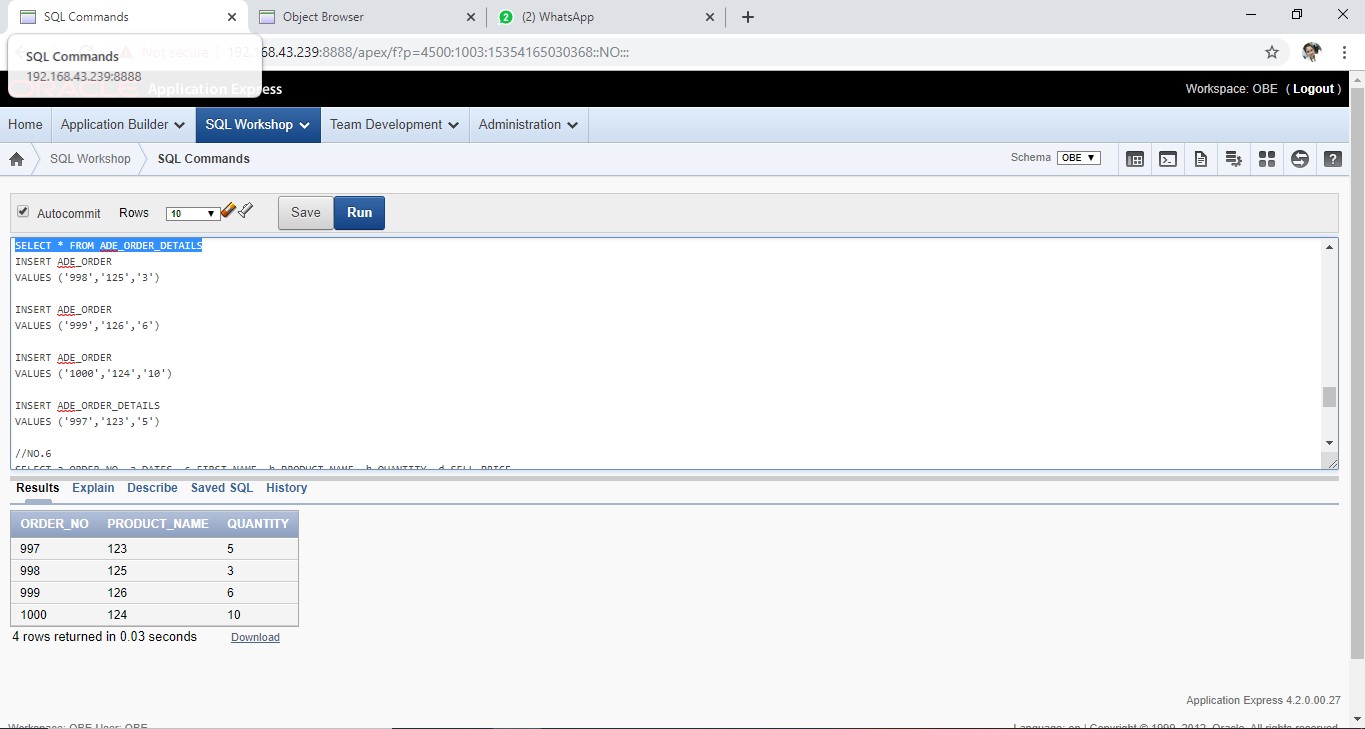
VALUES ('999','126','6')

INSERT ADE\_ORDER

VALUES ('1000','124','10')

INSERT ADE\_ORDER\_DETAILS

VALUES ('997','123','5')



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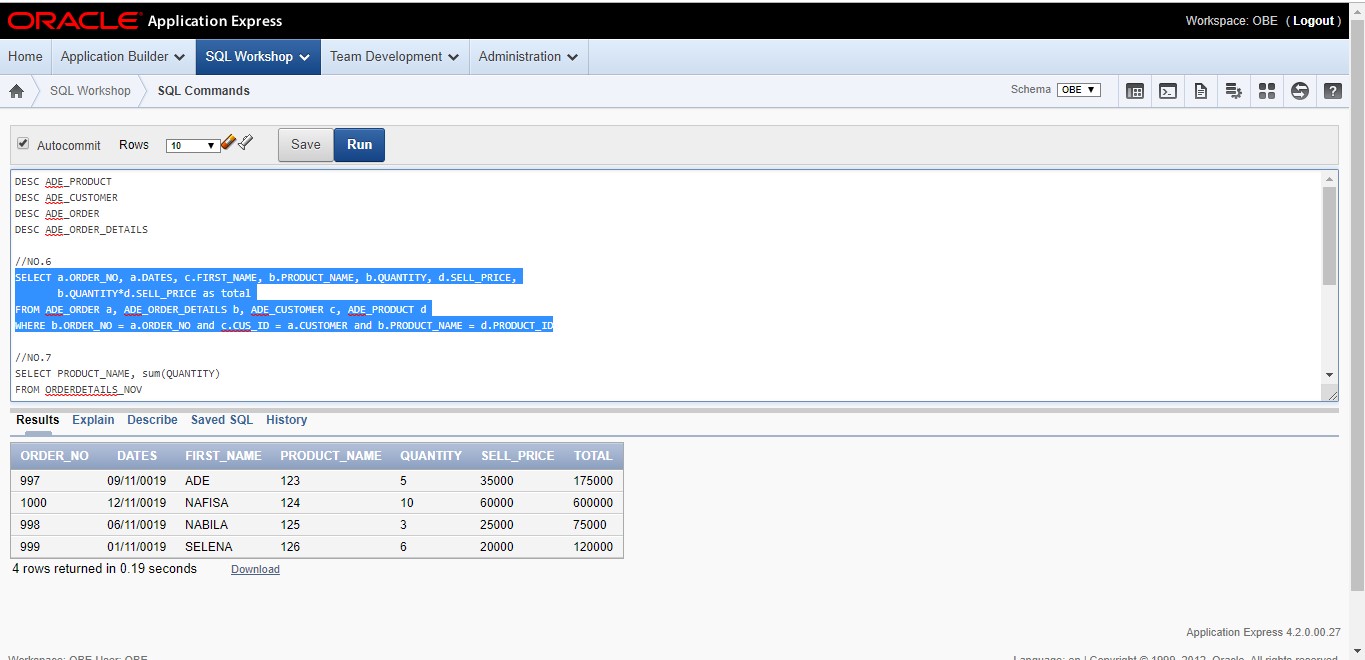
//NO.6

SELECT a.ORDER\_NO, a.DATES, c.FIRST\_NAME, b.PRODUCT\_NAME, b.QUANTITY, d.SELL\_PRICE,

b.QUANTITY\*d.SELL\_PRICE as total

FROM ADE\_ORDER a, ADE\_ORDER\_DETAILS b, ADE\_CUSTOMER c, ADE\_PRODUCT d

WHERE b.ORDER\_NO = a.ORDER\_NO and c.CUS\_ID = a.CUSTOMER and b.PRODUCT\_NAME = d.PRODUCT\_ID



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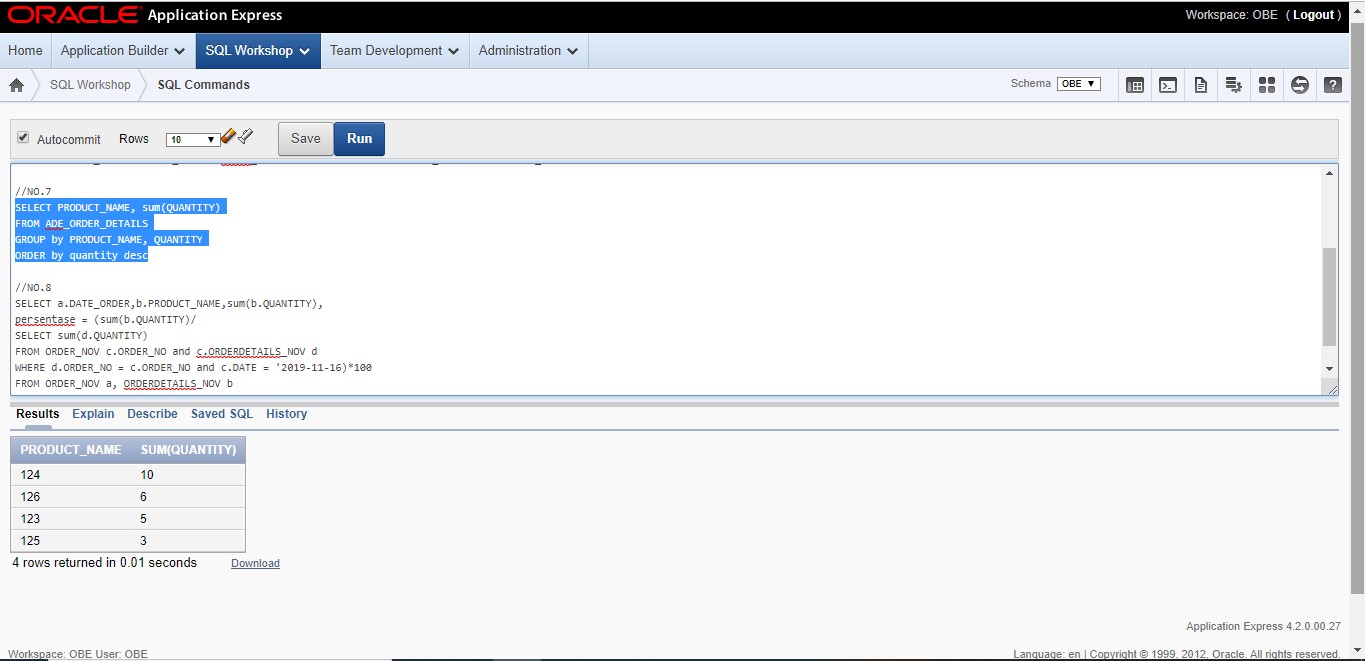
//NO.7

SELECT PRODUCT\_NAME, sum(QUANTITY)

FROM ADE\_ORDER\_DETAILS

GROUP by PRODUCT\_NAME, QUANTITY

ORDER by quantity desc



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//NO.8

SELECT a.PRODUCT\_NAME, SUM(a.QUANTITY),

ROUND((SUM(a.QUANTITY)/(SELECT SUM(c.QUANTITY) FROM ADE\_ORDER\_DETAILS c, ADE\_ORDER d WHERE d.ORDER\_NO = c.ORDER\_NO and d.DATES= '12/11/2019'))\*100) AS Prosentase

FROM ADE\_ORDER\_DETAILS a, ADE\_ORDER b

WHERE b.ORDER\_NO = a.ORDER\_NO and b.DATES= '12/11/2019'

GROUP BY b.DATES, a.PRODUCT\_NAME, a.QUANTITY

