## Section 5 - SQL Script File

```
CREATE TABLE "AZIPCODE"
       "ZIPCODE ID" NUMBER,
       "ZIPCODE" NUMBER,
       "STATE" VARCHAR2(30),
       "CITY" VARCHAR2(30),
       CONSTRAINT "AZIPCODE PK" PRIMARY KEY ("ZIPCODE ID")
USING INDEX ENABLE
Insert into AZIPCODE (ZIPCODE_ID, ZIPCODE, STATE, CITY) VALUES (1, '23230', 'VA', 'Richmond');
Insert into AZIPCODE (ZIPCODE_ID, ZIPCODE, STATE, CITY) VALUES (2, '23047', 'VA', 'Doswell');
Insert into AZIPCODE (ZIPCODE ID, ZIPCODE, STATE, CITY) VALUES (3, '27858', 'NC', 'Greenville');
CREATE TABLE "AADDRESS"
       "ADDRESS_ID" NUMBER,
       "ADDRESS_LINE" VARCHAR2(30),
       "CUSTOMER_ID" NUMBER,
       "ZIPCODE_ID" NUMBER,
       CONSTRAINT "AADDRESS_PK" PRIMARY KEY ("ADDRESS_ID")
USING INDEX ENABLE
 )
Insert into AADDRESS (Address_ID, Address_Line, Customer_ID, ZipCode_ID) VALUES (1, '3408 W Moore
St', 1, 1,);
Insert into AADDRESS (Address_ID, Address_Line, Customer_ID, ZipCode_ID) VALUES (2, '14211 Tower
Insert into AADDRESS (Address_ID, Address_Line, Customer_ID, ZipCode_ID) VALUES (3, '507 Evans St',
3, 3);
CREATE TABLE "APAYMENT"
       "PAYMENT ID" NUMBER,
       "PAYMENT TYPE" VARCHAR2(30),
       "CUSTOMER_ID" NUMBER,
       "EMPLOYEE ID" NUMBER,
       CONSTRAINT "APAYMENT_PK" PRIMARY KEY ("PAYMENT_ID")
USING INDEX ENABLE
 )
Insert into APAYMENT (Payment_ID, Payment_Type, Customer_ID, Employee_ID) VALUES (1, 'Credit', 1,
1);
Insert into APAYMENT (Payment_ID, Payment_Type, Customer_ID, Employee_ID) VALUES (2, 'Cash', 2,
Insert into APAYMENT (Payment_ID, Payment_Type, Customer_ID, Employee_ID) VALUES (3, 'Venmo',
3, 3);
```

```
CREATE TABLE "ACUSTOMER"
       "CUSTOMER_ID" NUMBER,
       "FIRST_NAME" VARCHAR2(30),
       "LAST_NAME" VARCHAR2(30),
       "PHONE_NUMBER" NUMBER,
       "ADDRESS_ID" NUMBER,
       CONSTRAINT "ACUSTOMER_PK" PRIMARY KEY ("CUSTOMER_ID")
USING INDEX ENABLE
 )
Insert into ACUSTOMER (Customer_ID, First_Name, Last_Name, Phone_Number) VALUES (1, 'John',
'Smith', 8043565122);
Insert into ACUSTOMER (Customer_ID, First_Name, Last_Name, Phone_Number) VALUES (2, 'Tracy,
'Adams', 8046987564);
Insert into ACUSTOMER (Customer_ID, First_Name, Last_Name, Phone_Number) VALUES (3, 'Mark',
'Brown', 2526544891);
CREATE TABLE "AEMPLOYEE"
       "EMPLOYEE_ID" NUMBER,
       "EMPFIRST_NAME" VARCHAR2(30),
       "EMPLAST_NAME" VARCHAR2(30),
       "SALARY" NUMBER,
       CONSTRAINT "AEMPLOYEE_PK" PRIMARY KEY ("EMPLOYEE_ID")
USING INDEX ENABLE
 )
Insert into AEMPLOYEE (Employee_ID, EmpFirst_name, EmpLastName, Salary) VALUES (1, 'Richard,
Tozer', 30125);
Insert into AEMPLOYEE (Employee_ID, EmpFirst_name, EmpLastName, Salary) VALUES (2, 'Ashley,
Nixon', 25890);
Insert into AEMPLOYEE (Employee_ID, EmpFirst_name, EmpLastName, Salary) VALUES (3, 'Sarah,
Johnson', 32540);
CREATE TABLE "AORDER"
       "ORDER_ID" NUMBER,
       "CUSTOMER_ID" NUMBER,
       "SHIPPMENT_DURATION" NUMBER,
       "ORDER DATE" VARCHAR2(30),
       "STATUS" VARCHAR2(30),
       CONSTRAINT "AORDER_PK" PRIMARY KEY ("ORDER_ID")
USING INDEX ENABLE
 )
Insert into AORDER (Order_ID, Customer_ID, Shippment_Duration, Order_Date, Status) VALUES (1, 1, 3,
TO_DATE ('2019/02/15', 'yyyy/mm/dd'), Shipped);
```

```
Insert into AORDER (Order_ID, Customer_ID, Shippment_Duration, Order_Date, Status) VALUES (2, 2, 5,
TO_DATE ('2019/03/07', 'yyyy/mm/dd'), Pending);
Insert into AORDER (Order_ID, Customer_ID, Shippment_Duration, Order_Date, Status) VALUES (3, 3, 7,
TO_DATE ('2019/03/18', 'yyyy/mm/dd'), Pending);
CREATE TABLE "AORDER_LINE"
       "PRODUCT ID" NUMBER,
       "ORDER_ID" NUMBER,
       "ORDER_DATE" VARCHAR2(30),
       "QUANTITY" NUMBER,
       CONSTRAINT "AORDER_LINE_PK" PRIMARY KEY ("PRODUCT_ID")
USING INDEX ENABLE
 )
INSERT INTO AORDER LINE (PRODUCT ID, ORDER ID, ORDER DATE, QUANTITY)
VALUES (1, 1, TO_DATE ('2019/02/15', 'yyyy/mm/dd'), 2);
INSERT INTO AORDER_LINE (PRODUCT_ID, ORDER_ID, ORDER_DATE, QUANTITY)
VALUES (2, 2, TO_DATE ('2019/03/07', 'yyyy/mm/dd'), 4);
INSERT INTO AORDER_LINE (PRODUCT_ID, ORDER_ID, ORDER_DATE, QUANTITY)
VALUES (3, 3, TO_DATE ('2019/03/07', 'yyyy/mm/dd'), 6);
```

## <u>Section 6 – SELECT and DESC commands</u>

SELECT \* FROM AZIPCODE

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

ZIPCODE_II	O ZIPCODE	STATE	CITY
1	23230	VA	Richmond
2	23047	VA	Doswell
3	27858	NC	Greenville

DESC AZIPCODE

Results	Evolain	Describe	Saved SOI	History

Object Type TABLE Object AZIPCODE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comm
AZIPCODE	ZIPCODE_ID	NUMBER	22	-	-	1	-	÷	-
	ZIPCODE	NUMBER	22	5	-	(5)	/	=	-
	STATE	VARCHAR2	30	_	-	-	~	2	-
	CITY	VARCHAR2	30	-	-	-	/	4	:

SELECT \* FROM AADDRESS

Results Exp	lain Describe Save	d SQL History	
ADDRESS_ID	ADDRESS_LINE	CUSTOMER_ID	ZIPCODE_ID
1	3408 W Moore St	1	1
2	14211 Tower Rd	2	2
3	507 Evans St	3	3
rows returne	d in 0.01 seconds	Download	

DESC

AADDRESS

Results Exp	lain Describe Sa	ved SQL His	tory						
Object Type TA	BLE Object AADDR	RESS							
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Commer
AADDRESS	ADDRESS_ID	NUMBER	22	-	-	1	-	-	-
	ADDRESS_LINE	VARCHAR2	30	-	-	-	/	-	-
	CUSTOMER_ID	NUMBER	22	-	2	<u> </u>	/	_	_
	ZIPCODE_ID	NUMBER	22	-	-	_	~	-	_
								1	- 4

SELECT \* FROM APAYMENT

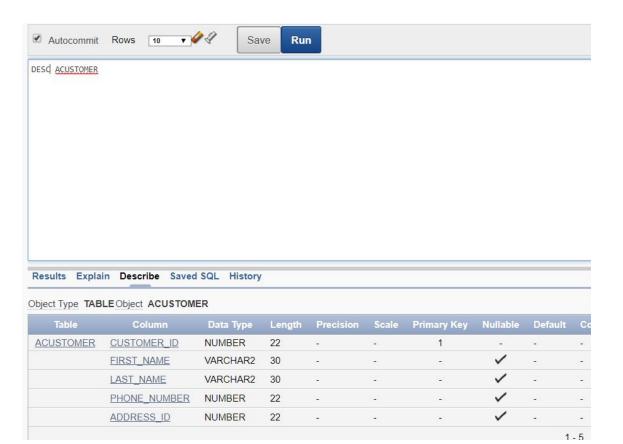
	ain Describe Save		
PAYMENT_ID	PAYMENT_TYPE	CUSTOMER_ID	EMPLOYEE_ID
1	Credit	1	1
2	Cash	2	2
3	Venmo	3	3

DESC APAYMENT

	olain Describe Sa		ory						
bject Type <b>T</b>	ABLE Object APAYM	ENT							
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comme
APAYMENT	PAYMENT_ID	NUMBER	22	-	-	1	21	5 <del>+</del> 5	-
	PAYMENT_TYPE	VARCHAR2	30	-	-	- E	/		8
	CUSTOMER_ID	NUMBER	22	-	_	2	~	-	_
	EMPLOYEE ID	NUMBER	22	_	_	20	/	_	_

SELECT \* FROM ACUSTOMER

NAME LAST_NAM	E PHONE_NUMBER	ADDRESS_ID
Smith	8043565122	1
Adams	8046987564	2
Brown	2526544891	3
	Smith Adams	Adams 8046987564





Tozer

Nixon

Mathes

Download

30125

25890

32540

Richard

Ashley

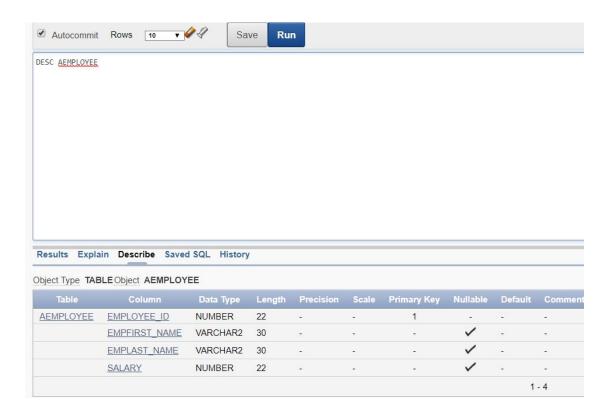
Taylor

3 rows returned in 0.01 seconds

1

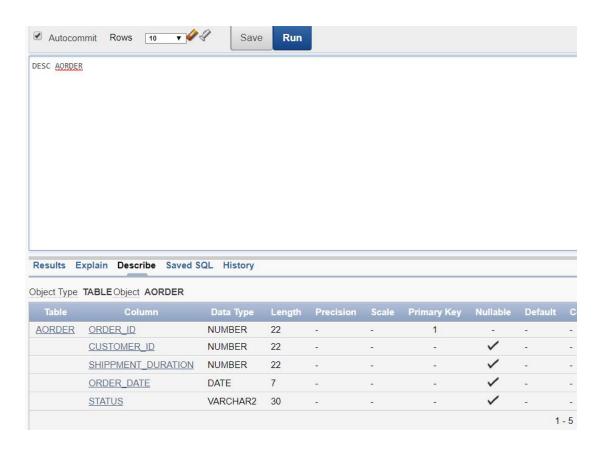
2

3



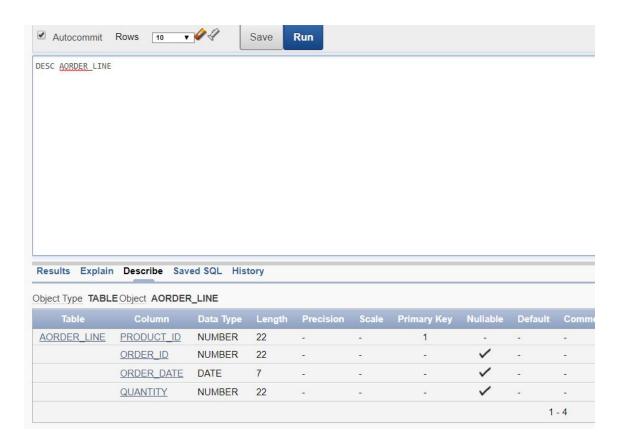
SELECT \* FROM AORDER

ORDER_ID	CUSTOMER_ID	SHIPPMENT_DURATION	ORDER_DATE	STATUS
1	1	3	02/15/2019	Shipped
2	2	5	03/07/2019	Shipped
3	3	7	03/18/2019	Pending

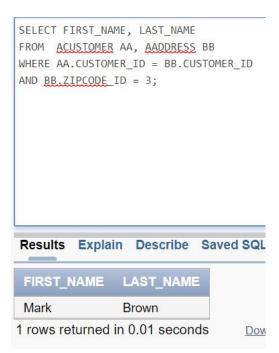


SELECT \* FROM AORDER\_LINE

Results	Explain Des	cribe Saved SQL	History
PRODUC	T_ID ORDE	ER_ID ORDER_DA	TE QUANTITY
2	2	03/07/2019	4
1	1	02/15/2019	2
3	3	03/07/2019	6



## Section 7 - Queries:



```
SELECT FIRST_NAME, LAST_NAME
FROM ACUSTOMER AA, AADDRESS BB, AZIPCODE CC
WHERE AA.CUSTOMER_ID = BB.CUSTOMER_ID
AND BB.ZIPCODE ID = CC.ZIPCODE_ID
AND CC.ZIPCODE = 23230

;
```

Results Explain Describe Saved SQL History

FIRST\_NAME LAST\_NAME

John Smith

1 rows returned in 0.01 seconds

Download