

ABU DHABI POLYTECHNIC

EXAMINATION COVER SHEET

Student Name:		
Student ID Number:		
Subject:	Intro. to Database System Security	
CRN No.	Course No.	Reference
1257	ICT-042	Final Exam
Duration	Instructor	
02 Hrs	Enrico V. Angeles	

Instructions:

1. Use a blue/black pen. Do not use a **red pen**.
2. Write your Name, ID number and section in the above space.
3. Read each question carefully. Answer all Questions and show your work.
4. You **are not** allowed to use a Mobile phone during the examination.

Question	Maximum Marks	Marks Obtained	Marked by:	Initials	Final Exam Only	
					Moderated by:	Signature
1	20					
2	30					
3	30					
Total	80					
%	100					

Caution:-

1. ADPoly considers CHEATING as a serious offence and students may be dismissed if caught.
2. Talking is considered as a cheating during examination.

Quiz

Note: It is recommended that you save your response as you complete each question.

Question 1 (1 point)

The ORDER BY clause sorts the final results rows in ascending or descending order.

- True
- False

Save

Question 2 (1 point)

The SQL command used to populate tables is the INSERT command.

- True
- False

Save

Question 3 (1 point)

The ALTER TABLE command is used to change a table definition.

- True
- False

Save

Question 4 (1 point)

A major benefit of SQL as a standard is reduced training costs.

- True
- False

Save

Question 5 (1 point)

The following queries produce the same results.

```
select customer_name, customer_city  
from customer, salesman
```

```
where customer.salesman_id = salesman.salesman_id  
and salesman.lname = 'SMITH';
```

```
select customer_name, customer_city  
from customer  
where customer.salesman_id =  
(select salesman_id  
from salesman  
where lname = 'SMITH');
```

- True
- False

Save

Question 6 (1 point)



The WHERE clause includes the conditions for row selection within a single table and the conditions between tables for joining.

- True
- False

Save

Question 7 (1 point)



In order to update data in SQL, one must inform the DBMS which relation, columns, and rows are involved.

- True
- False

Save

Question 8 (1 point)



The DROP command deletes rows from a table individually or in groups.

- True
- False

Save

Question 9 (1 point)



The following query totals sales for each salesperson.

```
Select salesperson_id, sum(sales)  
from salesperson  
group by salesperson_id;
```

- True
- False

Save

Question 10 (1 point)



When a GROUP BY clause is included in an SQL statement, only those columns with a single value for each group can be included.

- True
- False

Save

Question 11 (1 point)



One of the original purposes of the SQL standard was to provide a vehicle for portability of database definition and application modules between conforming DBMSs.

- True
- False

Save

Question 12 (1 point)



The following two SQL statements will produce different results.

```
Select last_name, first_name
from customer
where state = 'MA' or state = 'NY' or state = 'NJ' or state = 'NH' or
state = 'CT';
```

```
Select last_name, first_name
from customer
where state in ('MA','NY','NJ','NH','CT');
```

- True
- False

Save

Question 13 (1 point)



The DELETE TABLE DDL command is used to remove a table from the database.

- True
- False

Save

Question 14 (1 point)



The SQL command used to populate tables is the INSERT command.

- True
- False

Save

Question 15 (1 point)



A database table is defined using the data definition language (DDL).

- True
- False

Save

Question 16 (1 point)



Adding the DISTINCT keyword to a query eliminates duplicates.

- True
- False

Save

Question 17 (1 point)



A database is maintained and queried using the data mapping language (DML).

- True
- False

Save

Question 18 (1 point)



When creating tables, it's important to decide which columns will allow null values before the table is created.

- True
- False

Save

Question 19 (1 point) 

The following two SQL statements will produce the same results.

```
Select last_name, first_name  
from customer  
where credit_limit > 99 and credit_limit < 10001;
```

```
Select last_name, first_name  
from customer  
where credit_limit between 100 and 10000;
```

- True
- False

Save

Question 20 (1 point) 

When creating a table, it is not important to consider foreign key—primary key.

- True
- False

Save

Question 21 (1 point) 

The SQL command _____ defines a logical table from one or more tables or views.

- create table
- alter table
- create view
- create relationship

Save

Question 22 (1 point) 

The _____ is the structure that contains descriptions of objects such as tables and views created by users.

- Master View
- Schema
- SQL
- Catalog

Save

Question 23 (1 point)



The benefits of a standardized relational language include:

- cross-system communication.
- application longevity.
- reduced training costs.
- all of the above.

Save

Question 24 (1 point)



_____ is a set of commands used to update and query a database.

- DDL
- DCL
- DPL
- DML

Save

Question 25 (1 point)



In an SQL statement, which of the following parts states the conditions for row selection?

- Select
- From
- Where
- Group by

Save

Question 26 (1 point)



What does the following SQL statement do?

```
Update Product_T  
Set Unit_Price = 775  
Where Product_ID = 7
```

- Updates the Product_T table to have a unit price of 775
- Changes the unit price of Product 7 to 775
- Changes the length of the Unit_Price field to 775
- Changes the price of a unit called Product_T to 7

Save

Question 27 (1 point)



_____ is a set of commands used to control a database, which includes security.

- DML
- DDL
- DPL
- DCL

Save

Question 28 (1 point)

Any create command may be reversed by using a _____ command.

- unpack
- drop
- truncate
- delete

Save

Question 29 (1 point)

What does the following SQL statement do?

```
Delete from Customer_T  
where state = 'HI';
```

- Deletes all records from the Customer_T table
- Removes the Customer_T table from the database
- Deletes all records from customer_t where the state is equal to HI
- None of the above

Save

Question 30 (1 point)

What does the following SQL statement do?

```
Select * From Customer Where Cust_Type = "Best"
```

- Selects all the fields from the Customer table for each row with a customer labeled "Best"
- Selects fields with a "*" in them from the Customer table
- Selects the "*" field from the Customer table for each row with a customer labeled "Best"
- Selects all the fields from the Customer table for each row with a customer labeled "*"

Save

Question 31 (1 point)



What does the following SQL statement do?

```
Alter Table Customer_T Add (Type Varchar (2));
```

- Alters the Customer_T table to be a Type 2
- Alters the Customer_T table, and adds a field called "Type"
- Alters the Customer_T table to accept Type 2
- Alters the Customer_T table by adding a 2-byte field called "Varchar"

Save

Question 32 (1 point)



DDL is typically used during which phases of the development process?

- Analysis
- All of the above
- Implementation
- Physical design

Save

Question 33 (1 point)



The SQL command _____ adds one or more new columns to a table.

- create relationship
- create view
- create table
- alter table

Save

Question 34 (1 point)



Which of the following is a purpose of the SQL standard?

- All of the above
- To define the data structures and basic operations for SQL databases
- To specify syntax and semantics of SQL data definition and manipulation
- To specify minimal and complete standards, which permit different degrees of adoption in products

Save

Question 35 (1 point)



What does the following SQL command do?

```
insert into Customer_T values (001,'John Smith','231 West St','Boston','MA','02115');
```

- Updates the Customer_T table
- Creates the Customer_T table
- Deletes the Customer_T table
- Adds a new record to the Customer_T

Save

**Question 36** (3 points)**Rep**

RepNum	LastName	FirstName	Street	City	State	Zip	Commission	Rate
20	Kaiser	Valerie	624 Randall	Grove	FL	33321	\$20,542.50	0.05
35	Hull	Richard	532 Jackson	Sheldon	FL	33553	\$39,216.00	0.07
65	Perez	Juan	1626 Taylor	Fillmore	FL	33336	\$23,487.00	0.05

Customer

CustomerNum	CustomerName	Street	City	State	Zip	Balance	CreditLi
148	Al's Appliance and Sport	2837 Greenway	Fillmore	FL	33336	\$6,550.00	\$7,500
282	Brookings Direct	3827 Devon	Grove	FL	33321	\$431.50	\$10,000
356	Ferguson's	382 Wildwood	Northfield	FL	33146	\$5,785.00	\$7,500
408	The Everything Shop	1828 Raven	Crystal	FL	33503	\$5,285.25	\$5,000
462	Bargains Galore	3829 Central	Grove	FL	33321	\$3,412.00	\$10,000
524	Kline's	838 Ridgeland	Fillmore	FL	33336	\$12,762.00	\$15,000
608	Johnson's Department Store	372 Oxford	Sheldon	FL	33553	\$2,106.00	\$10,000
687	Lee's Sport and Appliance	282 Evergreen	Altonville	FL	32543	\$2,851.00	\$5,000
725	Deerfield's Four Seasons	282 Columbia	Sheldon	FL	33553	\$248.00	\$7,500
842	All Season	28 Lakeview	Grove	FL	33321	\$8,221.00	\$7,500

Display all records of customer under Kaiser, whose balance is more than their credit limit.

Orders

OrderNum	OrderDate	CustomerNum
21608	10/20/2013	148
21610	10/20/2013	356
21613	10/21/2013	408
21614	10/21/2013	282
21617	10/23/2013	608
21619	10/23/2013	148
21623	10/23/2013	608

OrderLine

OrderNum	PartNum	NumOrdered	QuotedPrice
21608	AT94	11	\$21.95
21610	DR93	1	\$495.00
21610	DW11	1	\$399.99
21613	KL62	4	\$329.95
21614	KT03	2	\$595.00
21617	BV06	2	\$794.95
21617	CD52	4	\$150.00
21619	DR93	1	\$495.00
21623	KV29	2	\$1,290.00

Part

PartNum	Description	OnHand	Class	Warehouse	Price
AT94	Iron	50	HW	3	\$24.95
BV06	Home Gym	45	SG	2	\$794.95
CD52	Microwave Oven	32	AP	1	\$165.00
DL71	Cordless Drill	21	HW	3	\$129.95
DR93	Gas Range	8	AP	2	\$495.00
DW11	Washer	12	AP	3	\$399.99
FD21	Stand Mixer	22	HW	3	\$159.95
KL62	Dryer	12	AP	1	\$349.95
KT03	Dishwasher	8	AP	3	\$595.00
KV29	Treadmill	9	SG	2	\$1,390.00

Display the Part Description, and the Quoted price ordered by the customer number 608 last 10/23/2013.

Save

Question 45 (3 points)



Display the name of the representative whose customer name has a substring 'Sport' from the character number 6 and with the length of 5. (assuming no single quote in the customer name)

Paragraph

Save

Save All Responses

Go to Submit Quiz

Rep

RepNum	LastName	FirstName	Street	City	State	Zip	Commission	Rate
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35	Hull	Richard	532 Jackson	Sheldon	FL	33553	\$39,216.00	0.07
65	Perez	Juan	1626 Taylor	Fillmore	FL	33336	\$23,487.00	0.05

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524	Kline's	838 Ridgeland	Fillmore	FL	33336	\$12,762.00	\$15,000.00	20
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842	All Season	28 Lakeview	Grove	FL	33321	\$8,221.00	\$7,500.00	20

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