

Operation	Hospital	Cost	Percentage
Arthroscopy	ACA hospital	120000	60%
	BSB hospital		
	AIA healthcare hospital		
Breast Biopsy	BSB hospital	100000	55%
	NSN hospital		
Dental Restoration	AIA healthcare hospital	250000	75%
	BSB hospital		
Cataract Surgery	BSB hospital	132000	80%

Select the correct method that can be used to compute the total equipment charges for all surgeries.

Assume that one surgery type is done only once at a hospital with one equipment charge.

Select one:

- a. alter type SurgeriesType
add member function tot_equip_cost return float
cascade/
create type body SurgeriesType as
member function tot_equip_cost return float is
result float:
begin
select sum(Equipment_chargers) into result
from Surgeries
return result;
end;
end;
- b. alter type SurgeriesType
add member function tot_equip_cost return float/
create type body SurgeriesType as
member function tot_equip_cost return float
begin
select sum(Equipment_chargers) into result
from Surgeries
return result;

What would be printed when the following code is executed?

DECLARE

x NUMBER;

BEGIN

x := 5;

x := 10;

dbms_output.put_line(x);

dbms_output.put_line(x+1);

x := 10;

dbms_output.put_line(x);

dbms_output.put_line(x+1);

END;



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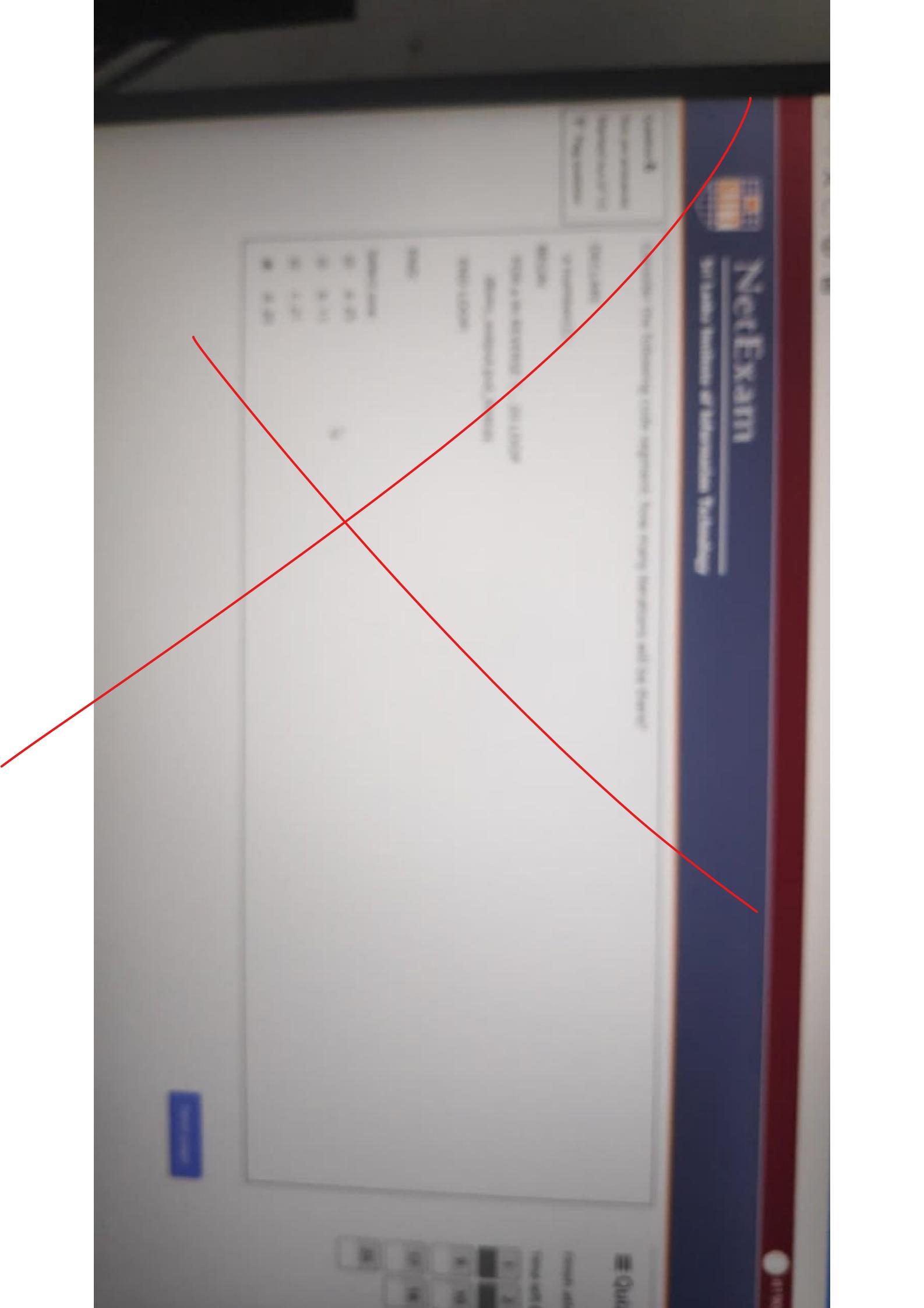
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☰ Quit

QUESTION 4

Q1. You have just bought a new laptop. How many terabytes will be there?

- 1 TB
- 2 TB
- 4 TB
- 8 TB



Customer Purchase details are given below.

Name	Tel. No	Purchase					
		Item Id	Quantity	Unit Price(\$)	Discount (%)	Date	
William Barnes	176445859	005	10	5	2	20/4/2021	
		115658741	015	1	2	0	20/4/2021
			001	5	10	5	22/4/2021
			052	3	200	5	28/4/2021
Shirley Millar	154896524	003	12	16	4	10/3/2021	
		118645751	061	1	7	0	8/4/2021

Suitable object types and tables will be created in order to record this information. Customer name column consists first Name and Last Name. User can add multiple telephone number values.

Select the best option to record purchase data.

Select one:

- a. As an object type
- b. AS a VARRAY type
- c. As a property of ___ object type
- d. As a Nested Table type

Next page

Object Types`salesman_t(sale_id CHAR(3), sname VARCHAR2(10), city VARCHAR2(10))``cust_t(cusid CHAR(4),cusname VARCHAR2(10),city VARCHAR2(10),sale_m REF salesman_t)``order_t AS OBJECT(orderno CHAR(3),ordate DATE,cust REF cust_t , profit number(6,2))`**Tables**`customer OF cust_t(sale_id primary key)``orders OF order_t(cusid primary key)``salesman OF salesman_t(orderno primary key)`

Find the customer names and order numbers which make profit >50000 and display customer names, order numbers and profit.

Select one:

- a. Select o.orderno, o.cust.cusname, sum(o.profit)
From orders o, customer c
Group by o.cust.cusname, o.orderno
Having o.profit >50000
- b.
- c. Select o.orderno, o.cust.cusname, sum(o.profit)
From orders o
Group by o.orderno
Having sum(o.profit) >50000
- d. Select o.orderno, o.cust.cusname, sum(o.profit)
From orders o
Group by o.cust.cusname, o.orderno
Having sum(o.profit) >50000

Finish attempt...

Time left 0:49:38

1	2	3	4	5
9	10	11	12	13
17	18	19	20	21
				25



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Question 7

Not yet answered

Marked out of 1.0

Flag question

What is the error in the following code?

```
DECLARE  
    c_id INT;  
    c_name customers.name%type;  
    c_addr customers.address%type;  
  
BEGIN  
    SELECT name, address INTO c_name, c_addr  
    FROM customers  
    WHERE id = c_id;  
  
END;
```

Select one:

- a. The WHERE statement is wrong. It should be: WHERE id := c_id;
- b. The variable c_id should be declared as a type-compatible variable as - c_id customers.id%type := 1;
- c. The SELECT INTO statement here is wrong. It should be: SELECT c_name, c_address INTO name, addr
- d. You cannot use the SELECT INTO statement of SQL to assign values to PL/SQL variables.

≡ Quiz navigation

Finish attempt

Time left 05:05:59

1 2 3

4 5 6

7 8 9

10 11 12

13 14 15

16 17 18

19 20 21



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Sri Lanka Institute of Information Technology

Question 6

Not yet answered

Marked out of 1.0

Flag question

What will be the output of the following code snippet?

```
DECLARE
    a number(3) := 200;
    b number(3) := 100;
BEGIN
    IF( a = 100 ) THEN
        IF( b <= 200 ) THEN
            dbms_output.put_line(b);
        END IF;
    END IF;
    dbms_output.put_line(a);
END;
```

Select one:

- a. It has syntax error, so there will not be any output.

- b. 200
- c. 100
- d. 200

Finish attempt

Time left 0:48:26

1	2	3
9	10	11
17	18	19
25		

What will be the output of following XQuery expression?

for \$x in doc("books.xml")/bookstore/book
return \$x/title

Select one:

- a. <title lang="en">Tasty Food</title>
<title lang="en">Harry Potter</title>
<title lang="en">Intro to XQuery</title>
<title lang="en">XML Basics</title>
- b. <title>
- c. Tasty Food
Harry Potter
Intro to XQuery
XML Basics
- d. <title>Tasty Food</title><title>Harry Potter</title><title>Intro to XQuery</title>
<title>XML Basics</title>



Question 8

Not yet answered

Marked out of 1.0

Flag question

Select the correct PL/SQL block.

Select one:

- a. SELECT name into cname from customers where cid='C01';
- b. DECLARE
cname varchar(20);
BEGIN
SELECT name into cname from customers where cid='C01';
EXCEPTION
WHEN no_data_found THEN
dbms_output.put_line('ERROR');
END;
- c. BEGIN
SELECT name into cname from customers where cid='C01';
WHEN no_data_found THEN
dbms_output.put_line('ERROR');
- d. DECLARE
name varchar(20);
SELECT name into cname from customers where cid='C01';



Question 6

Not yet answered

Marked out of 1.0

Flag question

Select the correct answers fill in the blanks.

```
DECLARE
    var_rows number(5);
BEGIN
    UPDATE purchase p
    SET p.qty = p.qty + 100;
    IF _____ THEN
        dbms_output.put_line('None of the quantities were updated');
    ELSIF _____ THEN
        var_rows := _____;
        dbms_output.put_line('Quantities for ' || var_rows || ''
    END IF;
END;
```

Select one:

- a. %notfound, %found, %rowcount.
- b. sql%notfound, sql%found, sql%rowcount.
- c. %found, %notfound, %rowcount.
- d. sql%found, sql%notfound, sql%rowcount.

```
<price>$6.81</price>
<availability>051799</availability>
</plant>
</catalog>
```

Select the correct XPATH to retrieve all the prices of plants which are less than \$8.

Select one:

- a. /catalog[price < 8]
- b. /catalog/plant[price < 8]
- c. /catalog/plant/[price < 8]
- d. /plant[price < 8]

Select the correct answers fill in the blanks.

```
DECLARE  
CURSOR stock_cur IS  
SELECT s.company, s.price  
FROM stock s;  
stock_rec _____;  
BEGIN  
FOR stock_rec IN _____ LOOP  
dbms_output.put_line('Company : ' || stock_rec.company || '-Current Price : ' || stock_rec.price);  
END LOOP;  
END;
```

Select one:

- a. stock%rowtype, stock_cur
- b. stock%rowtype, stock_cur
- c. stock%rowtype, stock
- d. stock_cur%rowtype, stock



Select the correct PL/SQL block which shows the declaration of variables.

Question 9

Not yet answered
Marked out of 1.0
Flag question

Select one:

- a. DECLARE
NUMBER(5);
item_number
VARCHAR2(20);
item_name
BEGIN
NULL;
END;
- b. DECLARE
NUMBER(5) item_number;
VARCHAR2(20) item_name;
BEGIN
NULL;
END;
- c. DECLARE
NUMBER(5) item_number;
VARCHAR2(20) item_name;
BEGIN
NULL;
END;
- d. DECLARE
item_number
NUMBER(5);
item_name
VARCHAR2(20);



Select the correct answers fill in the blanks.

Question **10**

Not yet answered
Marked out of 1.0

Flag question

```
DECLARE
var_rows number(5);
BEGIN
UPDATE purchase p
SET p.qty = p.qty + 100;
IF _____ THEN
dbms_output.put_line('None of the quantities were updated');
ELSIF _____ THEN
var_rows := _____;
dbms_output.put_line('Quantities for' || var_rows);
END IF;
END;
END;
```

Select one:

var_rows

dbms_output

None of the quantities were updated

- a. %notfound, %found, %rowcount.
- b. %found, %notfound, sql%rowcount.
- c. sql%found, sql%notfound, sql%rowcount.
- d. sql%notfound, sql%found, sql%rowcount.

Select the correct PL/SQL block to declare a character type variable.

Select one:

a. c VARCHAR2(8); X

BEGIN
c := 'abc';
END;

b. DECLARE
c VARCHAR2(8); X

c. DECLARE
c VARCHAR2(8);
BEGIN
c = 'abc';
END;

d. DECLARE
c VARCHAR2(8); X

BEGIN
c := 'abc';
END;



Question 10

Not yet answered

Marked out of 1.0

Flag question

Customer Purchase details are given below.

Name	Tel. No	Purchase				
		Item Id	Quantity	Unit Price(\$)	Discount (%)	Date
William Barnes	176445859	005	10	5	2	20/4/2021
	115658741	015	1	2	0	20/4/2021
		001	5	10	5	22/4/2021
		052	3	200	5	28/4/2021
Shirley Millar	154896524	003	12	16	4	10/3/2021
	118645751	061	1	7	0	8/4/2021

Suitable object types and tables will be created in order to record this information. Customer name column consists of first Name and Last Name. User can add multiple telephone number values.

Select the best option to record Customer Names.

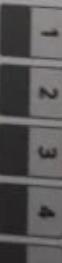
Select one:

- a. As a property of customer_purchase object type
- b. As a VARRAY type
- c. As an object type
- d. As a Nested Table type

☰ Quiz navigation

Finish attempt ...

Time left 0:42:33



25

The company's inventory purchased in December month data has given in the table below. Company name, Contact no contains only four numbers and for particular company it can be recorded in one row.

p_id	Company	Contact no	purchase			
			item id	quantity	unit price(\$)	date
1	ZTC inc.	1153	032	10	50	6/12/2020
2		5541	042	100	60	10/12/2020
3			006	30	100	12/12/2020
4	LSP telmatika	2555	053	500	20	20/12/2020
5		4444	088	100	45	28/12/2020

Select the correct option to create an object type to record contact no data.

Select one.

- a. CREATE TYPE contact_varray AS ARRAY(2) OF CHAR(4)
- b. CREATE TYPE contact_varray AS ARRAY(2) OF VARCHAR(4)
- c. CREATE TYPE contact_varray AS VARRAY(2) OF CHAR(4)
- d. CREATE OBJECT contact_varray AS ARRAY(2) OF CHAR(4)



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Lockdown Browser

Practice Test

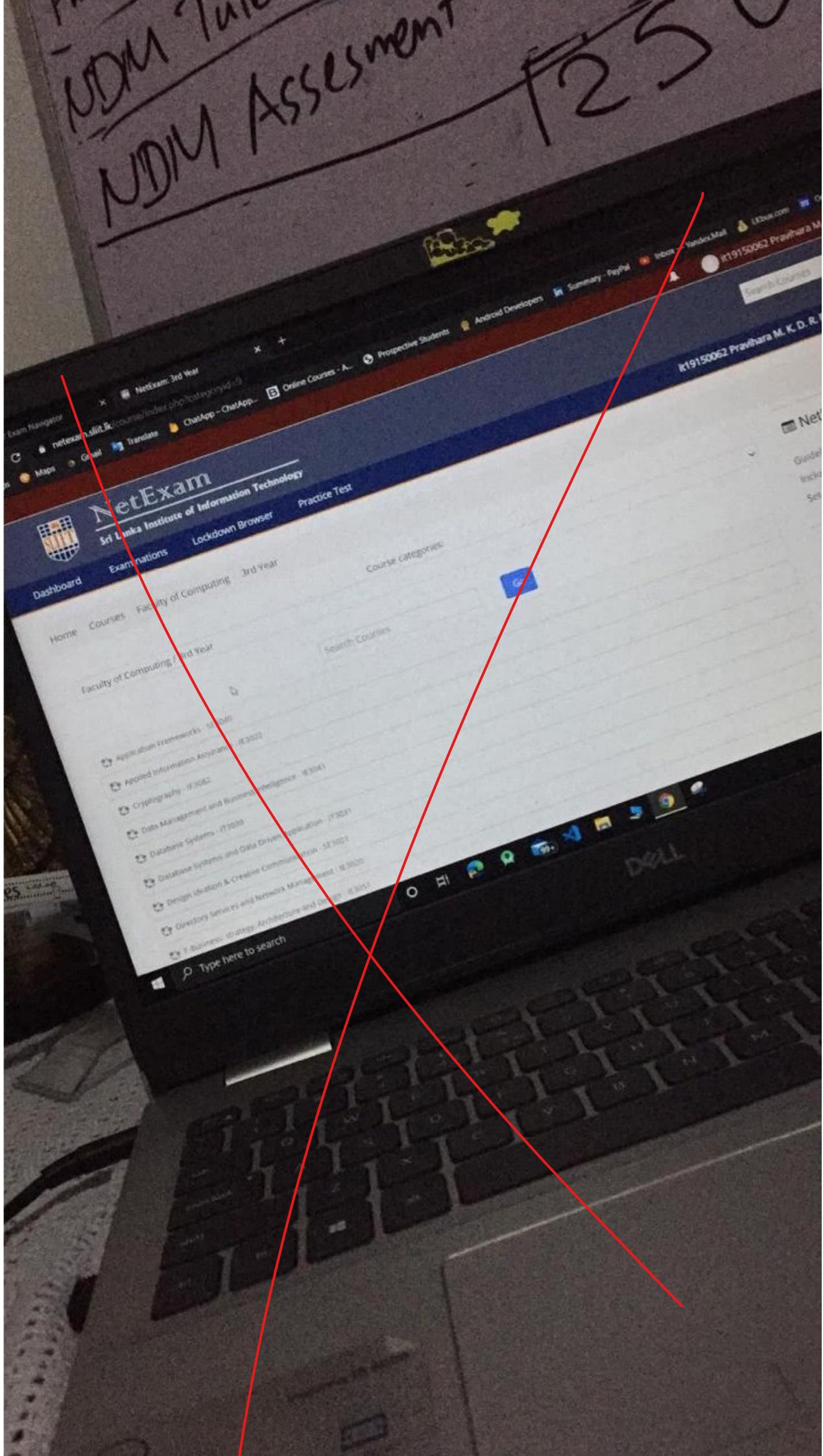
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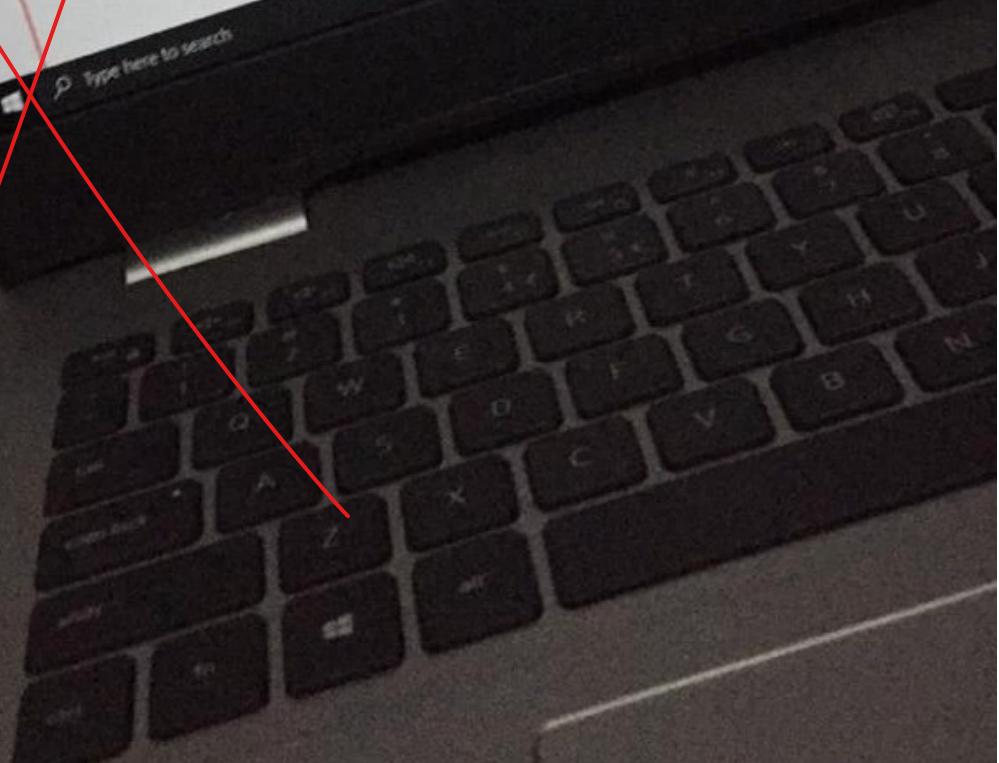
IT3020 - Midterm Examination 2021

IT3020 - Practical Test Q1a - 2020

Not attempted
Due 6 May 2023

Instructions to Candidates:

- Examination duration is 1 hour.
- Extra 15 minutes already given considering any technical difficulties.
- Questions navigation method is set to 'sequential'.
- Paper contains 25 questions. Answer All Questions.



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Examinations

Lockdown Browser

Practice Test



IT3020 - Practical Test Quiz - 2021

Not attempted

Due 6 May 2021

Instructions to Candidates:

- Examination duration is 1 hour
- ~~Extra 10 minutes already given considering any technical difficulties~~
- Questions navigation method is set to 'sequential'.
- Paper contains 25 questions. Answer All Questions.

Examinations

Lockdown Browser

Practice Test

This quiz has been configured so that students may only attempt it using the Respondus LockDown Browser.

Attempts allowed: 1

The quiz will not be available until Thursday, 6 May 2021, 7:00 PM

This quiz will close on Thursday, 6 May 2021, 8:15 PM.

Time limit: 1 hour 10 mins

Respondus LockDown Browser is required for this exam.

Download LockDown Browser | Check your LockDown Browser Setup

This quiz is not currently available

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- Questions navigation method is set to 'sequential'.
- Paper contains 25 questions. Answer All Questions.

This quiz has been configured so that students may only attempt it using the Respondus LockDown Browser.

Attempts allowed: 1

The quiz will not be available until Thursday, 6 May 2021, 7:00 PM

This quiz will close on Thursday, 6 May 2021, 11:15 PM

Time limit: 1 hour 10 mins

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To access this content you will need:



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Previous
Next

• My page
• My course

IT3020 - Midterm Examination 2021

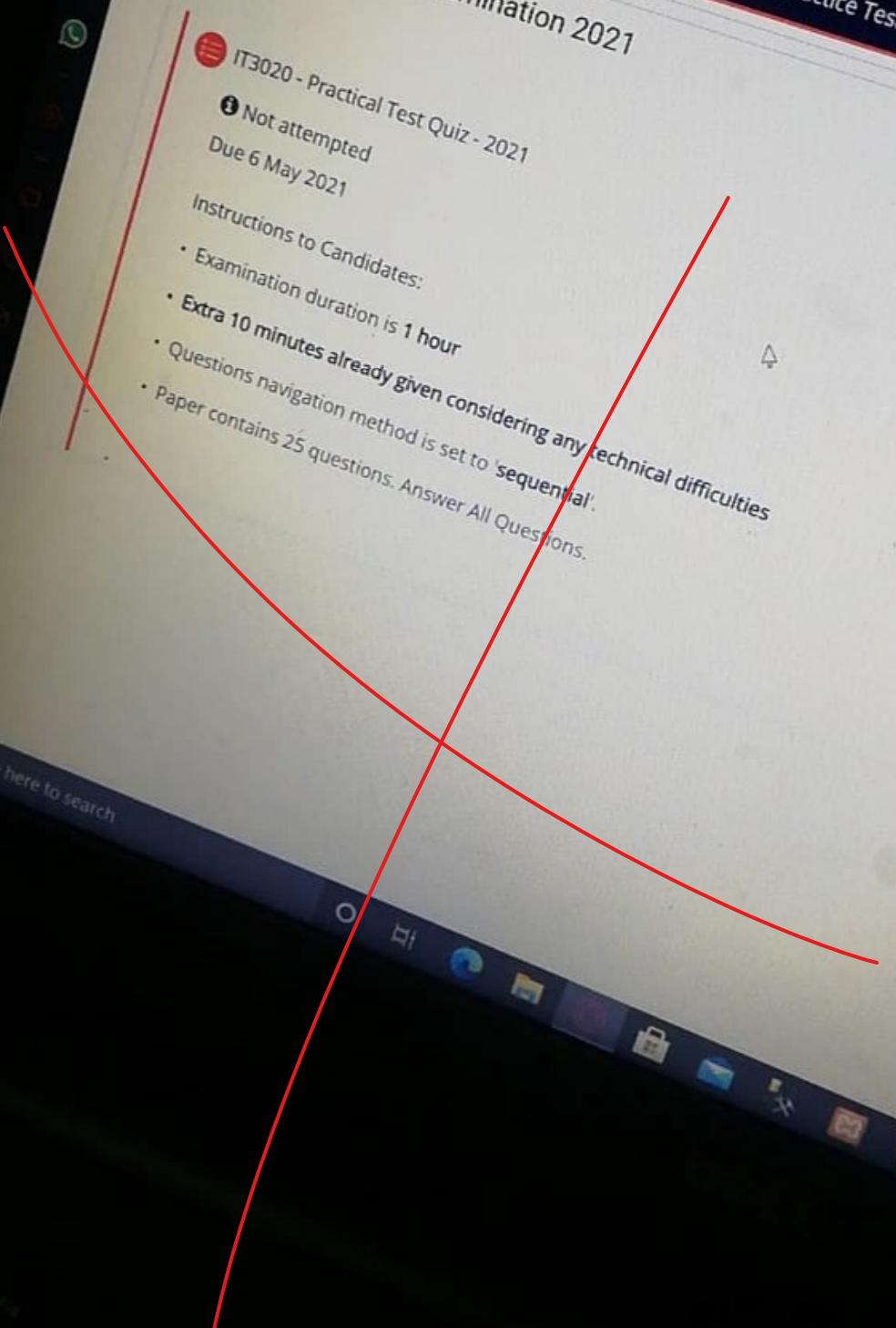
IT3020 - Practical Test Quiz - 2021

Not attempted
Due 6 May 2021

Instructions to Candidates:

- Examination duration is 1 hour
- Extra 10 minutes already given considering any technical difficulties
- Questions navigation method is set to 'sequential'.
- Paper contains 25 questions. Answer All Questions.

Type here to search



The image shows a computer screen displaying an IT3020 Midterm Examination 2021 page. The page title is "IT3020 - Midterm Examination 2021". Below it is a sub-section titled "IT3020 - Practical Test Quiz - 2021" with the status "Not attempted" and a due date of "Due 6 May 2021". A section titled "Instructions to Candidates:" lists several bullet points: "Examination duration is 1 hour", "Extra 10 minutes already given considering any technical difficulties", "Questions navigation method is set to 'sequential'", and "Paper contains 25 questions. Answer All Questions.". A large red 'X' is drawn across the entire page, indicating it is incorrect or has been crossed out. The background shows a dark desktop environment with various application icons and a search bar at the bottom.

Examinations Lockdown Browser Practice Test

The quiz will not be available until Thursday, 6 May 2021, 1:00 PM.

This quiz will close on Thursday, 6 May 2021, 8:15 PM.

Time limit: 1 hour 10 mins

Respondus LockDown Browser is required for this exam.

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This quiz is not currently available

[Back to the course](#)



Select the correct query to create VARRAY type.

Select one:

- a. CREATE VARRAY TYPE typename IS VARRAY(n) OF datatype;
- b. CREATE typename IS VARRAY(n) OF datatype;
- c. CREATE TYPE typename IS VARRAY(n) OF datatype;
- d. CREATE TYPE typename IS VARRAY(n);

Question 1
Not yet answered
Marked out of 1.0
Flag question



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Question 1

Not yet answered

Marked out of 1.0

Flag question

Consider the following code segment; how many times the loop will run?

```
DECLARE  
a number(2);  
BEGIN  
FOR a in 10 .. 20 LOOP  
END LOOP;  
END;
```

Select one:

- a. 9
- b. Infinite loop
- c. 10
- d. 11

Δ

Question 1

Not yet answered

Marked out of 1.0

Flag question

Consider the following XML code segment.

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>
  <book category="children">
    <title lang="en">Harry Potter</title>
    <author>J. K. Rowling</author>
    <year>2005</year>
    <price>29.99</price>
  </book>

  <book category="web">
    <title lang="en">XQuery Kick Start</title>
    <author>James McGovern</author>
    <author>Per Bothner</author>
    <author>Kurt Cagle</author>
    <year>2003</year>
    <price>49.99</price>
  </book>
</bookstore>
```

Select the correct XPATH to retrieve all the book titles.

Select one:

- a. /title
- b. /books/book/title
- c. /bookstore/book/title
- d. /bookstore/title

Question 1

Not yet answered

Marked out of 1.0

Flag question

State whether True or False.

REF use only as a data type.

Select one:

True

False

~~X~~ ~~X~~

**Question 1**

Not yet answered

Marked out of 1.0

▼

Flag question

Sigitech Company's inventory purchased in December month data has given in the table below. Company column contain company name.

Contact no contains only four numbers and for particular company it can be recorded maximum 2 numbers.

P_id	Company	Contact no	purchase			
			item id	quantity	Unit price(\$)	Date
1	ZTC inc.	1153	032	10	50	6/12/2020
2		5541	042	100	60	10/12/2020
3			006	30	100	12/12/2020
4	LSP telematika	2555	053	500	20	20/12/2020
5		4444	088	100	45	28/12/2020

Select the correct query to delete the purchase data of LSP telematika company item id =088.

Select one:

- a. delete from inventory_purchased ip where ip.item_id = '088'
- b. delete from (select ip.purchase from inventory_purchased ip where ip.company = 'LSP telematika ') p where p.item_id = '088'
- c. delete table (select ip.purchase from inventory_purchased ip where ip.company = 'LSP telematika ' and p where p.item_id = '088')
- d. delete table (select ip.purchase from inventory_purchased ip where ip.company = 'LSP telematika ') p where p.item_id = '088'

Next page

END,

b. DECLARE

```
pi NUMBER := 3.14; // this is single line comment
```

BEGIN

```
/* this is multi  
line comment*/
```

END;

c. DECLARE

```
pi NUMBER := 3.14; -- this is single line comment
```

BEGIN

```
/* this is multi  
line comment*/
```

END:

d. DECLARE

```
pi NUMBER := 3.14; -- this is single line comment
```

BEGIN

```
-- this is multi  
line comment--
```

END:

Select the correct PL/SQL block which shows the declarat

Select one:

- a. DECLARE
NUMBER(5) item_number;
VARCHAR2 item_name;
BEGIN
NULL;
END;
 - b. DECLARE
NUMBER(5) item_number;
VARCHAR2(20) item_name;
BEGIN
NULL;
END;
 - c. DECLARE
item_number NUMBER(5);
item_name VARCHAR2(20);
 - d. DECLARE
item_number NUMBER(5);
item_name VARCHAR2(20);
BEGIN
NULL;
END;
-
- 

Order Items

Order_name	Manufacture_cost	Manufacture_cities	Available_delivery_type
Gaming Headset	3500	KANDY COLOMBO	Cash on delivery
External Mobile Hard Disk	4500	COLOMBO KURUNAGALA	Card payment
Wireless combo keyboard	3800	COLOMBO	Cash on delivery

OnlineOrder nestedtable **Order_name** reference Order Items table **Order_name**.

Assume that Profit() method will retrieve profit according to given product.

Find the order name, manufacture cost and profit related to the product (order name).

Select one:

- a. select i.Order_name, i.Manufacture_cost, i.Profit()
from Order_item i
- b. select l.Order_name, l.Manufacture_cost, s.Profit()
from Order_item l, table(self, OnlineOrder) s
- c. select l.Order_name, l.Manufacture_cost, self.l.Profit()
from Order_item l
- d. select l.Order_name, l.Manufacture_cost, self.s.Profit()
from Order_item l, table(self, OnlineOrder) s



Question 1

Not yet answered

Marked out of 1.0

Flag question

What would be printed when the following code is executed?

```
DECLARE
    x NUMBER;
BEGIN
    x := 5;
    x := 10;
    dbms_output.put_line(-x);
    dbms_output.put_line(+x);
    x := -10;
    dbms_output.put_line(-x);
    dbms_output.put_line(+x);
END;
```

Select one:

a. -10

10

10

-10

b. 10

-10

-10

10

c. -10

+10

+10

10

d. 10

-10

10

-10

end;

end;

Select one:

- a. select s. equ_comm()
from SurgeriesType s
- b. select s. equ_comm()
from Surgeries s
- c. select s. equ_comm(0.05)
from SurgeriesType s
- d. select s. equ_comm(0.05)
from Surgeries^s

**Question 1**

Not yet answered

Marked out of 1.0

▼ Log question

☰ Quiz nav

Finish attempt...
Time left: 1:08:55

salesman_t(cust_id CHAR(4), cname VARCHAR2(10), city VARCHAR2(10), sale_m REF salesman_t)
order_t AS OBJECT(orderno CHAR(3), ordate DATE, cust REF cust_t, profit number(6,2))

1 2 3
9 10 11
17 18 19
25

Consider the given ORDB schema and answer the following question.

ObjectTypes

customer OF cust_t(sale_id primary key)
orders OF order_t(cust_id primary key)
salesman OF salesman_t(orderno primary key)

Tables

Find the customer names and salesman names related to order number 'ORA4'.

Select one:

- a. SELECT o.cust.custname, o.cust.sale_m.sname
FROM orders o , customer
Where o.orderno = 'ORA4'
- b. SELECT o.cust.custname, o.sname
FROM orders o
WHERE o.orderno = 'ORA4'
- c. SELECT cname, sname
FROM orders
WHERE orderno = 'ORA4'
- d. SELECT o.cust.custname, o.cust.sale_m.sname
FROM orders o
Where o.orderno = 'ORA4'

+



State whether **True** or **False**.

Each object type has a type constructor of the same name.

Select one:

- True
- False



on 4

answered

out of 1.0

g question

Consider the following code segment: how many

```
DECLARE
    a number(2) := 9;
BEGIN
    WHILE a < 30 LOOP
        a := a + 3;
    END LOOP;
END;
```

Select one:

- a. 9
- b. 8
- c. 7
- d. 10

5

6

What will be the output of the following code segment?

DECLARE

 a number (2) := 21;

 b number (2) := 10;

BEGIN

 IF (a <= b) THEN

 dbms_output.put_line(a);

 END IF;

 IF (b >= a) THEN

 dbms_output.put_line(a);

 END IF;

 IF (a <> b) THEN

 dbms_output.put_line(b);

 END IF;

END;

Select one:

a. 21,10

b. 21

c. 10

d. 2

10



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Question 1

Not yet answered

Marked out of 1.0

Flag question

Select the correct query to create VARRAY type.

Select one:

- a. CREATE VARRAY TYPE typename IS VARRAY(n) OF datatype;
- b. CREATE typename IS VARRAY(n) OF datatype;
- c. CREATE TYPE typename IS VARRAY(n) OF datatype;
- d. CREATE TYPE typename IS VARRAY(n);

Question 2
Not yet answered
Marked out of 10
Flag Question

Consider the following code segment.

DECLARE
— Global variables
num number := 95;

BEGIN
dbms_output.put_line(num); || num)

DECLARE
— Local variables

num number := 195;

BEGIN

dbms_output.put_line(num); || num);

END;

END.

q5
195

What will happen when the code is executed?

Select one:

- a. It won't execute. It has syntax error.
- b. It will print.
num: 95.
num: 195.
- c. It will print.
num: 195.
num: 195.
- d. It will print.
num: 95.
num: 95.

☰ Quiz navigation

Finish attempt...
Time left 1:02:05

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25							

```
<price>$6.81</price>
<availability>051799</availability>
</plant>
</catalog>
```

Select the correct XPATH to retrieve all the prices of plants which are less than \$8.

Select one:

- a. /catalog/plant[price < 8]
- b. /catalog[price < 8]
- c. /plant[price < 8]
- d. /catalog/plant/[price < 8]

Select the correct PL/SQL block which shows the declaration of variables.

Select one:

Not yet answered
Marked out of 1.0
Flag question

- a. DECLARE
item_number NUMBER(5);
item_name VARCHAR2(20);
BEGIN
NULL;
END;
- b. DECLARE
NUMBER(5) item_number;
VARCHAR2(20) item_name;
BEGIN
NULL;
END;
- c. DECLARE
NUMBER(5) item_number;
VARCHAR2 item_name;
BEGIN
NULL;
END;
- d. DECLARE
item_number NUMBER(5);
item_name VARCHAR2(20);

Question 3
What will be the output of the following PL/SQL block?

Not yet answered
Marked out of 1.0
Flag question

```
DECLARE
    a number (2) := 21;
    b number (2) := 10;
BEGIN
```

```
    IF ( a <= b ) THEN
        dbms_output.put_line(a);
    END IF;
```

```
    IF ( b >= a ) THEN
        dbms_output.put_line(a);
    END IF;
```

```
    IF ( a <> b ) THEN
        dbms_output.put_line(b);
    END IF;
```

```
END;
```

Select one:

- a. 21,10
- b. 2
- c. 21
- d. 10

Question 2

Not yet answered

Marked out of 1.0

 Flag question

Customer Purchase details are given below.

Name	Tel. No	Purchase			
		Item _Id	Quantity	Unit Price(\$)	Discount (%)
William Barnes	176445859	005	10	5	2
	115658741	015	1	2	0
		001	5	10	5
		052	3	200	5
		003	12	16	4
Shirley Millar	154896524	118645751	061	1	7
				0	8/4/2021

Suitable object types and tables will be created in order to record this information. Customer name column consists first Name and Last Name. User can add multiple telephone number values.

Select the best option to record Customer telephone numbers.

Select one:

- a.
As a VARRAY type
- b.
As a Nested Table type
- c. As a property of _____ object type
- d. As an object type



Question 2

Not yet answered
Marked out of 1.0

Flag question

Consider the given ORDB schema and answer the following question.

Object Types

```
Salesman_t(sale_id CHAR(3), sname VARCHAR2(10), city VARCHAR2(10))  
cust_t(cusid CHAR(4), cname VARCHAR2(10), city VARCHAR2(10), sale_m REF salesman_t)  
order_t AS OBJECT(orderno CHAR(3), orddate DATE, cust REF cust_t, profit number(6,2))
```

Tables

```
customer OF cust_t(sale_id primary key)  
orders OF order_t(cusid primary key)  
salesman OF salesman_t (orderno primary key)
```

Find the customer names and salesman names who live in city "Gampaha".

Select one:

- a. SELECT c.cusname, s.sname FROM customer c, salesman s WHERE c.city = 'Gampaha'
- b.

SELECT cusname, sale_m.sname FROM customer WHERE city = 'Gampaha'
 c. SELECT cusname, sname FROM customer c WHERE c.city = 'Gampaha'
 d. SELECT c.cusname, c.sale_m.sname FROM customer c WHERE c.city = 'Gampaha'

≡ Quiz na

Finish attempt

Time left 1:04:47

1	2	3
9	10	11
17	18	19
25		

What will be the output of following XQuery expression ?
for \$x in doc("books.xml")/bookstore/book
return \$x/title

Select one:

- a.

```
<title lang="en">Tasty Food</title>
<title lang="en">Harry Potter</title>
<title lang="en">Intro to XQuery</title>
<title lang="en">XML Basics</title>
```
- b.

```
<title>Tasty Food</title>
<title>Harry Potter</title>
<title>Intro to XQuery</title>
<title>XML Basics</title>
```
- c. Tasty Food

Harry Potter

Intro to XQuery

XML Basics
- d. <title>

Tasty Food
Harry Potter

Intro to XQuery

XML Basics

Question 3

Not yet answered

Marked out of 1.0

Flag question

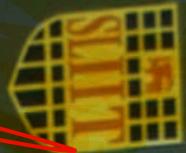
What will be the output of the following code segment?

```
DECLARE
a number(3):= 100;
BEGIN
IF( a < 20 ) THEN
dbms_output.put_line('a is less than 20 ');
ELSE
dbms_output.put_line('a is not less than 20 ');
END IF;
dbms_output.put_line('Value of a is : ' || a);
END;
```

20
100

Select one:

- a. a is not less than 20
value of a is : 100
- b. a is less than 20
value of a is : 100
- c. value of a is : 100
- d. a is not less than 20



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State whether True or False.

To connect multiple object relational models use joins.

Select one:

- True
 False

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END.

● b. DECLARE

pi NUMBER := 3.14; // this is single line comment

BEGIN

/* this is multi
line comment */

END;

● c. DECLARE

pi NUMBER := 3.14; - this is single line comment

BEGIN

/* this is multi
line comment */

END;

● d. DECLARE

pi NUMBER := 3.14; -- this is single line comment

BEGIN

-- this is multi
line comment --

END.



Question 4

Not yet answered

Marked out of 1.0

Flag question

Which of the following is true about the following code snippet?

```
DECLARE
  a number(3):= 100;
BEGIN
  IF(a = 50 ) THEN
    dbms_output.put_line('Value of a is 10');
  ELSIF ( a = 75 )
    dbms_output.put_line('Value of a is 20');
  ELSE
    dbms_output.put_line('None of the values is matching');
  END IF;
  dbms_output.put_line('Exact value of a is: '|| a );
END;
```

Select one:

- a. It will print
- b. None of the values is matching
- c. Exact value of a is: 100
- d. No output
- e. It will print 'None of the values is matching'.
- f. It has syntax error.

Question 3
Not yet answered
Marked out of 1.0
Flag question

Consider the following table and answer the question.

Surgery name	Available Hospitals	Charges	Doctor payment percentage(pct)	Equipment chargers
Arthroscopy	ACA hospital BSB hospital	120000	60%	10000
Breast Biopsy	BSB hospital	100000	55%	15000
Dental Restoration	NSN hospital ALA healthcare hospital	250000	75%	12000
Cataract Surgery	BSB hospital	132000	80%	8000

Select the correct method that can be used to compute the total equipment cost within one day.
Assume that one surgery type is done only once at a hospital within a day.

Select one:

- a. after type SurgeriesType
add member function tot_equ_cost return float
/
create type body SurgeriesType
member function tot_equ_cost return float is
result float:
begin
select sum(tot.Equipment_chargers) into result
from Surgeries S
return result;
- b. after type SurgeriesType
add member function tot_equ_cost return float

Finish attempt ...
Time left 0:57:52

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25							

☰ Quiz navigation



Sigtech Company's inventory purchased in December month data has given in the table below. Company column contains company name. Contact no contains only four numbers and for particular company it can be recorded maximum 2 numbers.

P_Id	Company	Contact no	purchase		
			Item id	quantity	Unit price(\$)
1	ZTC inc.	1153 5541	032 042	10 100	50 60
2				006	30
3				100	12/12/2020
4	LSP telmatika	2555	053	500	20
5		4444	088	100	45
					28/12/2020

Select the correct query to un-nested the VARRAY called Address_type.

Select one:

- a. UNNESTED VARRAY (Address_type)
- b. TABLE(Address_type)
- c. UNNESTED(Address_type)
- d. ALTER(Address_type) UNNESTED

Finish attempt ...

Time left 0:57:46



≡ Quiz navigation

≡ Quiz navigation

Finish attempt ...

Time left 0:57:03

P_Id	Company	Contact no	purchase			
			Item id	quantity	Unit price(\$)	date
1	ZTC Inc.	11535541	032042	10100	5060	6/12/202010/12/2020
2				006	30	100
3				053	500	20/12/2020
4	LSP telmatika	25554444	088	100	45	28/12/2020
5						

Select the correct query to un-nested the VARRAY called Address_type.

Select one:

- a. UNNESTED VARRAY (Address_type)
- b. TABLE(Address_type)
- c. UNNESTED(Address_type)
- d. ALTER(Address_type) UNNESTED

```
</plants>
<plant>
<common>columbine</common>
<botanical>aquilegia canadensis</botanical>
<zone>3</zone>
<light>mostly shady</light>
<price>$9.37</price>
<availability>030699</availability>
</plant>
<plant>
<common>marsh marigold</common>
<botanical>caltha palustris</botanical>
<zone>4</zone>
<light>mostly sunny</light>
<price>$6.81</price>
<availability>051799</availability>
</plant>
</catalog>
```

Select the correct XPATH to retrieve the common name of the first plant.

Select one:

- a. /catalog/plant[1]
- b. /plant[1]/common
- c. /catalog/plant[1]/common
- d. /catalog/plant/common

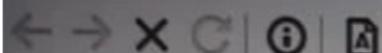
Consider the following XML code segment.

```
<catalog>
  <plant>
    <common>bloodroot</common>
    <botanical>sanguinaria canadensis</botanical>
    <zone>4</zone>
    <light>mostly shady</light>
    <price>$2.44</price>
    <availability>031599</availability>
  </plant>
  <plant>
    <common>columbine</common>
    <botanical>aquilegia canadensis</botanical>
    <zone>3</zone>
    <light>mostly shady</light>
    <price>$9.37</price>
    <availability>030699</availability>
  </plant>
  <plant>
    <common>marsh marigold</common>
    <botanical>caltha palustris</botanical>
    <zone>4</zone>
    <light>mostly sunny</light>
    <price>$6.81</price>
    <availability>051799</availability>
  </plant>
```

Question 4

Not yet answered
Marked out of 1.0

Flag question



```
</bookstore>
```

What will be the output of following XQuery expression ?

```
let $books := (doc("books.xml")/books/book)
return <results>
{
  for $x in $books
  where $x/price>30
  order by $x/price
  return $x/title
}
</results>
```

Select one:

- a.

```
<title lang="en">XML Basics</title>
<title lang="en">Intro to XQuery</title>
```
- b.

```
<results>
Intro to XQuery
XML Basics
</results>
```
- c.

```
<results>
<title lang="en">Intro to XQuery</title>
<title lang="en">XML Basics</title>
</results>
```
- d.

```
<results>
<title lang="en">XML Basics</title>
<title lang="en">Intro to XQuery</title>
</results>
```

```
<book category="web">  
  <title lang="en">XML Basics</title>  
  <author>Erik T. Ray</author>  
  <year>2003</year>  
  <price>39.95</price>  
</book>  
  
</bookstore>
```

What will be the output of following XQuery expression ?

```
for $x in doc("books.xml")/bookstore/book  
where $x/price>30  
return $x/title
```

Select one:

- a.
<title>Intro to XQuery</title>
<title> XML Basics</title>
- b. <title>
Intro to XQuery
XML Basics
</title>
- c.
Intro to XQuery

XML Basics
- d.
<title lang="en">Intro to XQuery</title>
<title lang="en"> XML Basics</title>

create type body SurgeriesType as

Select one:

- a. member function no_of_hospitals return integer is
begin
 select count(e.column_value) into countt
 from table(Available_Hospitals) e;
end;
end;
- b. member function no_of_hospitals return integer is
begin
 select count(e.column_value) into countt
 from table(self. Available_Hospitals) e;
end;
end;
- c. member function no_of_hospitals return integer is
countt integer;
begin
 select count(column_value) into countt
 from table(Available_Hospitals)
 return countt;
end;
end;
- d. member function no_of_hospitals return integer is
countt integer;
begin
 select count(e.column_value) into countt
 from table(self. Available_Hospitals) e;
 return countt;
end;
end;

nsider the following table and answer the question.

Surgery name	Available Hospitals	Charges	Doctor payment Percentage(pct)	Equipment chargers
Endoscopy	ACA hospital	120000	60%	10000
	BSB hospital			
	AIA healthcare hospital			
Chest Biopsy	BSB hospital	100000	55%	15000
	NSN hospital			
Dental Restoration	AIA healthcare hospital	250000	75%	12000
	BSB hospital			
Cataract Surgery	BSB hospital	132000	80%	8000

Select the correct method that can be used to count the number of hospitals that a given surgery type SurgeriesType

a) member function no_of_hospitals return int
b) member function no_of_hospitals return integer
c) member function no_of_hospitals return integer
d) member function no_of_hospitals return integer

Correct answer: b) member function no_of_hospitals return integer

Select one:

a. member function no_of_hospitals return integer is
begin
 select count(e.column_value) into countt
 from table(Available_Hospitals) e;
end;

b. member function no_of_hospitals return integer is
begin
 select count(e.column_value) into countt
 from table(self, Available_Hospitals) e;

Question 5

Not yet answered

Marked out of 1.0

Flag question

Consider the following XML code segment.

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>
    <book category="children">
        <title lang="en">Harry Potter</title>
        <author>J K. Rowling</author>
        <year>2005</year>
        <price>29.99</price>
    </book>

    <book category="web">
        <title lang="en">XQuery Kick Start</title>
        <author>James McGovern</author>
        <author>Per Bothner</author>
        <author>Kurt Cagle</author>
        <year>2003</year>
        <price>49.99</price>
    </book>
</bookstore>
```

Select the correct XPATH to retrieve all the book titles.



Select one:

- a. /bookstore/title
- b. /books/book/title
- c. /title
- d. /bookstore/book/title





Section 7

Flag question

What is the error in the following code?

```
SELECT name, address INTO c_name, c_addr  
FROM customers  
WHERE id = c_id;  
  
END;
```

Select one:

- a. The WHERE statement is wrong. It should be: WHERE id := c_id;
 - b. The variable c_id should be declared as a type-compatible variable as –
`c_id customers.id%type := 1;`
 - c. You cannot use the SELECT INTO statement of SQL to assign values to PL/SQL variables.
 - d. The SELECT INTO statement here is wrong. It should be: SELECT c_name, c_address INTO name, address



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Question 5

Not yet answered

Marked out of 1.0

Flag question

What is the output of the following code segment?

```
DECLARE  
    x number := 10;  
BEGIN  
    LOOP  
        dbms_output.put_line(x);  
        x := x + 1;  
        EXIT WHEN x > 5;  
    END LOOP;  
    dbms_output.put_line(x);  
END;
```

Select one:

- a. 10
- b. 11
- c. 1011
- d. No output

11

4

bj /



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Question 3

Not yet answered

Mark out of 1.0

Flag question

What are the 3 components in an Object type ?

Select one:

- a. Name, Methods, Object
- b. Name, Parameters, Methods
- c. Name, Attributes, Methods
- d. Object, Name, Attributes

X



Question 4

Not yet answered

Marked out of 1.0

Flag question

☰ Quiz navigation

Finish attempt ...

Time left 0:54:28

1	2	3	4
9	10	11	12
17	18	19	20
25			

Consider the following XML code segment (books.xml) and answer the question.

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>
    <book category="cooking">
        <title lang="en">Tasty Food</title>
        <author>Giada De Laurentiis</author>
        <year>2005</year>
        <price>30.00</price>
    </book>

    <book category="children">
        <title lang="en">Harry Potter</title>
        <author>J. K. Rowling</author>
        <year>2005</year>
        <price>29.99</price>
    </book>

    <book category="web">
        <title lang="en">Intro to XQuery</title>
        <author>james McGovern</author>
        <author>Per Bothner</author>
        <author>Kurt Cagle</author>
        <author>james Linn</author>
        <author>Vaidyanathan Nagarajan</author>
        <year>2003</year>
        <price>49.99</price>
    </book>

    <book category="web">
        <title lang="en">XML RAV&lt;/title>
```

Question 2

Not yet answered

Marked out of 1.0

Flag question

Quiz

Finish attempt

Time left

1 2

3 4

5 6

7 8

9 10

11 12

13 14

15 16

17 18

19 20

21 22

23 24

25

What would be printed when the following code is executed?

DECLARE
x NUMBER;

BEGIN

x := 5;

x := -10;

dbms_output.put_line(-x);

dbms_output.put_line(+x);

x := -10;

dbms_output.put_line(-x);

dbms_output.put_line(+x);

END;

Select one:

 a. 10

10

10

-10

 b. -10

+10

+10

-10

 c. 10

-10

-10

10

 d. 10

-10

10

-10

Question 6

Not yet answered

Marked out of 1.0

Flag question

Consider the following table and answer the question.

Surgery name	Available Hospitals	Charges	Doctor payment percentage(pct)	Equipment chargers
Arthroscopy	ACA hospital	120000	60%	10000
	BSB hospital			
	AIA healthcare hospital			
Breast Biopsy	BSB hospital	100000	55%	15000
	NSN hospital			
Dental Restoration	AIA healthcare hospital	250000	75%	12000
	BSB hospital			
Cataract Surgery	BSB hospital	132000	80%	8000

Select the correct method that can be used to compute the total equipment cost within one day.

Assume that one surgery type is done only once at a hospital within a day.

Select one:

- a. alter type SurgeriesType
add member function tot_equ_cost return float
- b. create type body SurgeriesType
create type body SurgeriesType
member function tot_equ_cost return float is
result float;

What will be the output of following XQuery expression ?

```
for $x in doc("books.xml")/bookstore/book/title  
order by $x  
return <li>{$x}</li>
```

Select one:

- a. <title lang="en">Harry Potter</title><title lang="en">Intro to XQuery</title><title lang="en">Tasty Food</title><title lang="en">XML Basics</title>
- b. <title lang="en">Tasty Food</title><title lang="en">Harry Potter</title><title lang="en">Intro to XQuery</title><title lang="en">XML Basics</title>
- c.
- d. <title lang="en">Harry Potter</title><title lang="en">Intro to XQuery</title><title lang="en">Tasty Food</title><title lang="en">XML Basics</title>

+

```
IF NOT _____ THEN
    _____ stock_cur;
END IF;
LOOP
    FETCH stock_cur INTO stock_rec;
    EXIT WHEN _____;
    dbms_output.put_line('Company: ' || stock_rec.company);
END LOOP;
END;
```

Select one:

- a. stock_cur%ISOPEN, FETCH, stock_cur%NOTFOUND
- b. stock_cur%ISOPEN, OPEN, stock_cur%NOTFOUND
- c. %ISOPEN, OPEN, %NOTFOUND
- d. SQL%ISOPEN, OPEN, SQL%NOTFOUND

Select the correct answers fill in the blanks.

```
ed  
1.0  
on  
  
DECLARE  
CURSOR stock_cur IS  
SELECT s.company, s.price  
FROM stock s;  
stock_rec _____;  
  
BEGIN  
FOR stock_rec in _____ LOOP  
dbms_output.put_line('Company : ' || stock_rec.company || '-' Current Price : ' || stock_rec.price);  
END LOOP;  
END;
```

Select one:

- a. stock%cur%rowtype, stock_cur
- b. stock%rowtype, stock_cur
- c. stock%rowtype, stock
- d. stock%cur%rowtype, stock

P_Id	Company	Contact no	purchase			
			Item Id	quantity	Unit price(\$)	Date
1	ZTC Inc.	1153 5541	032 042	10 100	50 60	6/12/2020 10/12/2020
2				006	30	100
3				053	500	20
4	LSP telmatika	2555 4444	088	100	45	28/12/2020
5						

Select the correct query to insert 3rd row into inventory_purchased table.

Select one:

- a. insert into inventory_purchased Values (inventory_purchased_type(3, ZTC inc., '1153','5541'; '006',30,100,'12-12-2020'))
- b. insert into inventory_purchased Values (inventory_purchased_type(3, ZTC inc., '1153','5541), purchase _nestedtbl_type(purchase_type('006',30,100,'12-12-2020')))
- c. Insert into inventory_purchased Values (inventory_purchased_type(3, ZTC inc., '1153','5541, purchase _nestedtbl_type ('006',30,100,'12-12-2020'))
- d. Insert into inventory_purchased Values (3, ZTC inc., contact_varray('1153','5541), purchase _nestedtbl_type(purchase _type('006',30,100,'12-12-2020'))



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Question 5

Not yet answered

Marked out of 1.0

Flag question

Customer Purchase details are given below.

Name	Tel. No	Purchase			
		Item Id	Quantity	Unit Price(\$)	Discount (%)
William Barnes	176445859 115658741	005 015	10 1	5 2	2 0
		001	5	10	5
		052	3	200	5
Shirley Millar	154896524 118645751	003 061	12 1	16 7	4 0

Suitable object types and tables will be created in order to record this information. Customer name column consists of first Name and Last Name. User can add multiple telephone number values.

Select the best option to record Customer Names.

Select one:

- a. As a property of customer_purchase object type
- b. As a Nested Table type
- c. As an object type
- d. As a VARRAY type