Persistent

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GEMS Generic... / GEMS Generic Paper - Combin...

👍 CONGRATS!!!

TOTAL SCORE : **88 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **44** / 50   Your Score : **88 %** ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which of the following command...	1	**Correct Answer**	Check Answer ⌄

Which of the following commands can we use to create a branch in an existing repository?

1) git create branch
✔ 2) git branch <branch name>
3) git init branch
✔ 4) git checkout -b <branch name>

In a real world, "Hous...	1	**Correct Answer**	Check Answer ⌄

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

1) Data hiding
2) Encapsulation
✔ 3) Abstraction
4) Polymorphism

Select the correct option with...	1	**Correct Answer**	Check Answer ⌄

Select the correct option with regards to Staging Area?

1) Marking a new file to make it ready to edit
2) Marking a new file to remove from repository
3) Committing a file to repository
✔ 4) Marking a modified file in its current version to go into your next commit snapshot

User A would like to i...	1	**Correct Answer**	Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

✔ **1) insert into EMPLOYEE**
values (59694,'HARRIS', NULL);

2) insert into EMPLOYEE
values (59694,'HARRIS');

3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
values (59694,'HARRIS');

4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

SELECT ROUND(5.693893)...   **1**   Correct Answer   Check Answer ⌄

SELECT ROUND(5.693893) from dual;

1) Returns 5

2) Returns 0

✔ **3) Returns 6**

4) Error thrown : Missing Where condition

5) Error thrown : Missing FROM clause

Which is not a valid differenc...   **1**   Correct Answer   Check Answer ⌄

Which is not a valid difference between DELETE and TRUNCATE?

1) DELETE is a DML command
TRUNCATE is a DDL command

2) DELETE requires commit
TRUNCATE does not require commit

✔ **3) DELETE can not be rolled back.**
TRUNCATE can be rolled back.

4) TRUNCATE is faster than DELETE

For protecting the cli...   **1**   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

      1) Make all attributes public

✔   2) Make all attributes private

      3) Make all attributes protected

      4) Make all attributes default scope

By default, git stash ...   1   **Correct Answer**   Check Answer ⌄

By default, git stash pop will re-apply the most recently added stash.

✔   1) TRUE

      2) FALSE

If the methods in clas...   1   **Correct Answer**   Check Answer ⌄

If the methods in class Admin are accessing the data of class Employee, which one of these OO principles is primarily violated?

      1) method overriding

      2) method overloading

      3) Abstraction

✔   4) Encapsulation

What are valid constra...   1   **Correct Answer**   Check Answer ⌄

What are valid constraint types? (Choose Multiples)

✔   1) NOT NULL

✔   2) UNIQUE

      3) CANDIDATE KEY

✔   4) PRIMARY KEY

✔   5) CHECK

In DML statements, which type ...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

    1) Scalar Variables

✓   **2) Substitution variables**

    3) Bind variables

    4) Prompt variables

You would like to disp...   1   Correct Answer   Check Answer ∨

You would like to display the system date in the format "Monday, 01 June, 2001". Which SELECT statement should you use?

    1) SELECT TO_DATE(SYSDATE, 'DAY, DD Month, YYYY') FROM dual;

    2) SELECT TO_CHAR(SYSDATE, 'DD, DY Month, 'YYYY') FROM dual;

✓   **3) SELECT TO_CHAR(SYSDATE, 'Day, DD Month, YYYY') FROM dual;**

    4) SELECT TO_CHAR(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

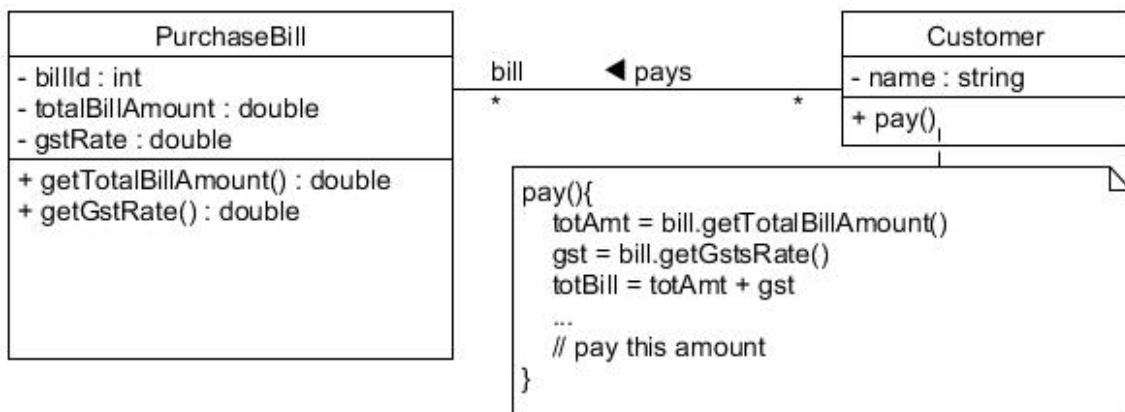   5) SELECT TO_DATE(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

In this class model wh...   1   Correct Answer   Check Answer ∨

In this class model which one of the following OO principles is clearly violated?

PurchaseBill
- billId : int
- totalBillAmount : double
- gstRate : double
+ getTotalBillAmount() : double
+ getGstRate() : double

bill   ◄ pays

Customer
- name : string
+ pay()

```
pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...
    // pay this amount
}
```

    1) Abstraction

    2) Data hiding

✓   **3) Encapsulation**

    4) Economy of expression

State True or False for follow...   1   Correct Answer   Check Answer ∨

PROBLEMS   POINTS   ANSWERED CORRECTLY

State True or False for following statements:-
A] git reset permanently removes commits from repository.
B] git revert is to undo any commit message.
C] git checkout is to undo the committed changes.

    1) A] False
    B] False
    C] False

    2) A] True
    B] True
    C] True

✔   **3) A] True**
    B] True
    C] False

    4) A] False
    B] True
    C] True

    5) A] False
    B] False
    C] True

State True or False:- ...   1   Correct Answer   Check Answer ⌄

State True or False:-

Merging means to take all your work from other branch to main branch.

    1) FALSE
✔   **2) TRUE**

Git defined as -   1   Correct Answer   Check Answer ⌄

Git defined as -

    1) Version control for single user
    2) Centralized Version Control
    3) Not a Directory Content Management System
✔   **4) Distributed Version Control**

State TRUE or FALSE. <...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

State TRUE or FALSE.
< ALL operator means less than minimum and > ALL operator means greater than Maximum.

✓ 1) TRUE
    2) FALSE

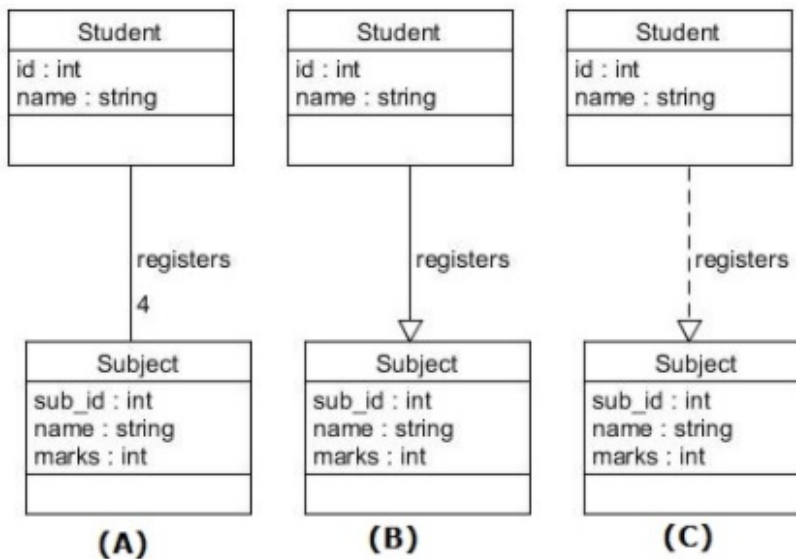Student registers for ...   1   Correct Answer   Check Answer ⌄

Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?

✓ 1) A
    2) B
    3) C
    4) None of the above

Select the correct statements ...   1   Correct Answer   Check Answer ⌄

Select the correct statements from following:-

        1) While pushing if new changes exists on remote, Git will still perform push operation
✓   2) Pull is just a way to get up to date than using fetch
✓   3) The pull command is combination of a fetch from the remote server and a merge of the changes
✓   4) Good practice is to pull the changes first and then push on the remote

State True or false. S...   1   Correct Answer   Check Answer ⌄

PROBLEMS

POINTS   ANSWERED CORRECTLY

State True or false.
Synonyms can be created for database objects owned by other users for which you have access.

✔   **1) TRUE**

   2) FALSE

State True or False fo...   0   **Wrong Answer**   Check Answer ⌄

State True or False for following Statements :-
A] Files or directory specified in .gitignore file are not tracked
B] .gitignore file is by default available in working directory
C] .gitignore file needs to be tracked

   1) A] False
   B] True
   C] False

   2) A] True
   B] False
   C] True

   3) A] True
   B] True
   C] True

   4) A] False
   B] False
   C] True

✖   **5) A] True**
   B] False
   C] False

In ORACLE, Which of th...   1   **Correct Answer**   Check Answer ⌄

In ORACLE, Which of the following statement is true in case of ORDER BY clause?

✔   **1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.**

   2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.

   3) Null values are displayed last in case of Ascending as well as Descending order.

   4) Null values are ignored while sorting the records.

Examine the description of the...   1   **Correct Answer**   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

✔   1) MIN

✔   2) COUNT

3) AVG

4) SUM

✔   5) MAX

In GIt, the user configuration...   1   Correct Answer   Check Answer ⌄

In GIt, the user configurations on OS level can be modified by using:

✔   1) git config --global

2) git config --userdetails

3) git config --user

4) git config --system

What is a Branch in Git?   1   Correct Answer   Check Answer ⌄

What is a Branch in Git?

1) It is just used to classify your work

✔   2) It is to create a new story line to give a try outs on new ideas or bug

3) Branches are used to optimize your code

4) Branches are very complex and heavy weight to deal with

__ is not a Transactio...   1   Correct Answer   Check Answer ⌄

__ is not a Transaction control language statement

✔   1) Revoke

2) Rollback

3) Commit

4) Savepoint

PROBLEMS	POINTS	ANSWERED CORRECTLY

You want to display th...　　0　　**Wrong Answer**　　Check Answer ⌄

You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date ASC;

✖   3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;
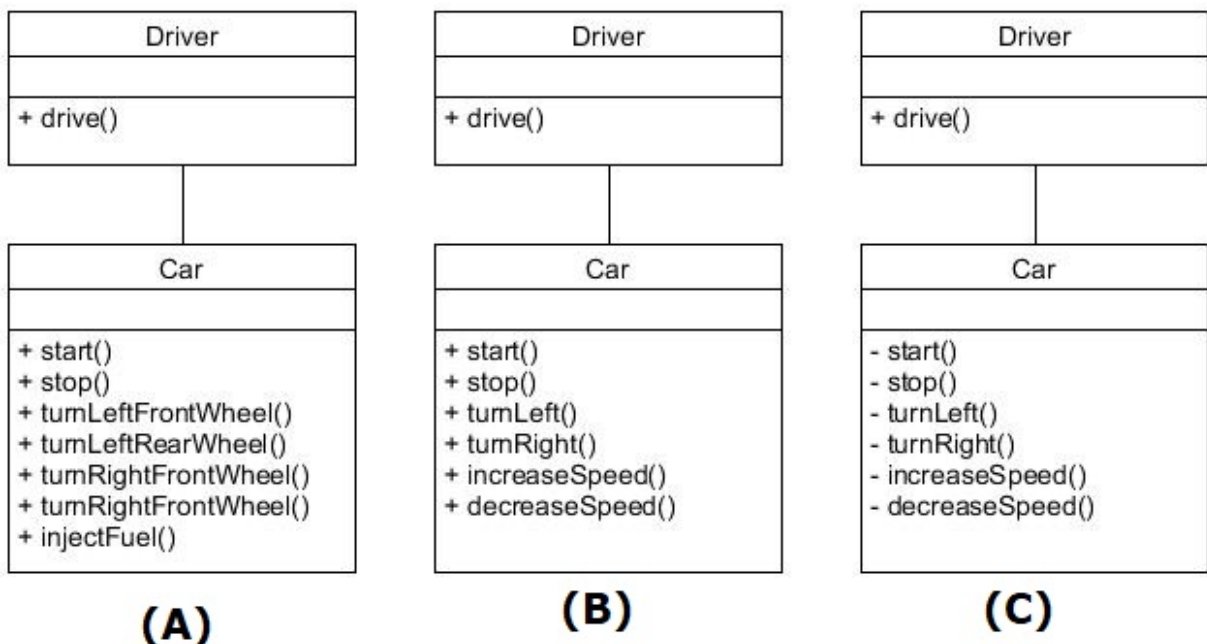
Which one of the class...　　0　　**Wrong Answer**　　Check Answer ⌄

Which one of the class models in figure, represent good abstraction of a Car for driver?

1) A

2) B

✖   3) C

4) None of the above

State True or False:- ...　　0　　**Wrong Answer**　　Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

✖   1) TRUE

    2) FALSE

In UML how is class re...   1   Correct Answer   Check Answer ⌄

In UML how is class represented?

    1) Rounded rectangle with 3 partitions

    2) Ellipse

✔   3) Rectangle with 3 partitions

    4) Dotted Rectangle with 3 partitions

If we are modelling cl...   1   Correct Answer   Check Answer ⌄

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

    1) All these three classes are independent and have no relation with each other

    2) Vehicle, Scooter and Car have cyclic composition with each other

✔   3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.

    4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

---

Which of the following is fals...   1   Correct Answer   Check Answer ⌄

Which of the following is false :-
A] Almost every operation in git is local
B] Git is not so efficient with regards to other version control systems like SVN
C] Git can be used as central version control system
D] Git generates SHA key for every commit

✔   1) B,C

    2) A,B,C

    3) B,C,D

    4) A,D

For writing a robust c...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

For writing a robust code, which of the following guidelines need to be followed

    1) All base class attributes need to be static

    2) Only base class need to have private attributes

✔   **3) every attribute of class must be private. For information hiding**

    4) The methods and attributes of all classes need to be private.

What is the output of ...   1   Correct Answer   Check Answer ⌄

What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

    1) 1

    2) 8

✔   **3) 2**

    4) 6

Employee's joining dat...   0   Wrong Answer   Check Answer ⌄

Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

    1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

    2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

   3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

✖   **4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)**

    5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

What is staging area or index ...   0   Wrong Answer   Check Answer ⌄

What is staging area or index in GIT?
select all matching/correct options.

   1) An intermediate area to format and review

✖   **2) Area where merging takes place before pushing to remote**

✔   **3) Area which can act like cache to review**

    4) Area where commits are stored

PROBLEMS	POINTS	ANSWERED CORRECTLY	
A primary key is combi...	1	**Correct Answer**	Check Answer ⌄

A primary key is combined with a foreign key creates

✓   **1) Parent-Child relationship between the tables that connect them.**

    2) Many to many relationship between the tables that connect them.

    3) Network model between the tables that connect them.

    4) None of these

Which one of the follo...	1	**Correct Answer**	Check Answer ⌄

Which one of the following statements is true?

    1) We can not overload a method in same class

✓   **2) We can not override a method in same class**

    3) Overloaded methods have exactly same method signature.

    4) None of the above statements is true

Select the correct map...	1	**Correct Answer**	Check Answer ⌄

Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

    1) i, ii, vi

    2) i, ii, v, vi

✓   **3) i, iii, iv, vi**

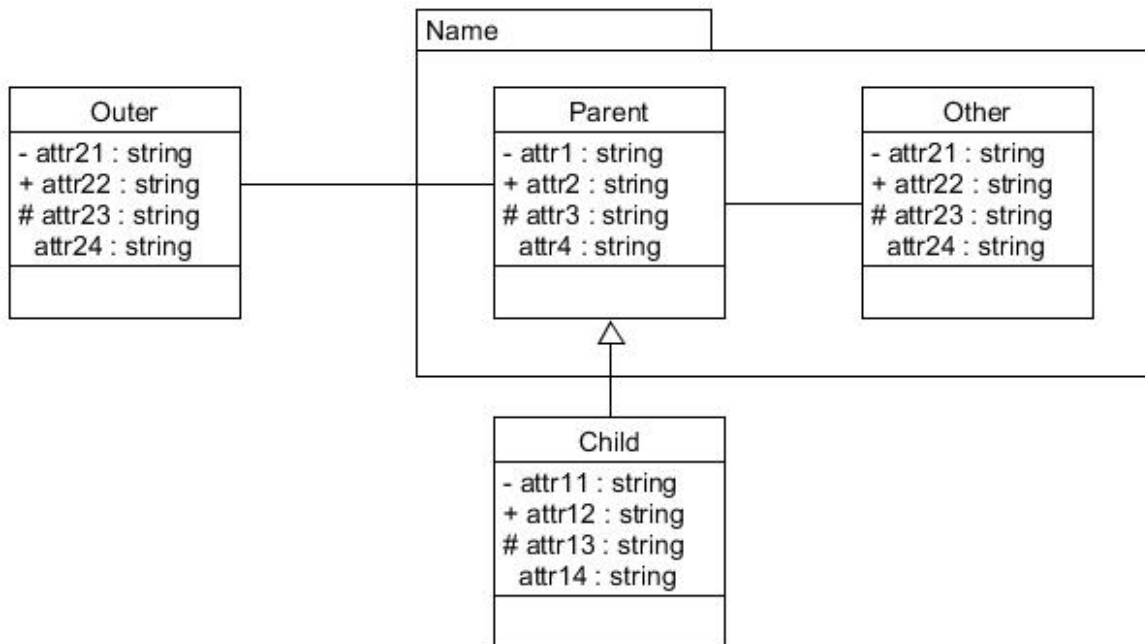   4) i, iii, iv

In a given class model...	1	**Correct Answer**	Check Answer ⌄

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PROBLEMS   POINTS   ANSWERED CORRECTLY

In a given class model, which one of the following statement is true?

1) Parent can access attr13

2) Outer can access attr4

3) Child can access attr1

✔ **4) None of the above**

| Column in a table refe... | 1 | Correct Answer | Check Answer ⌄ |

Column in a table refers to _____ in Entity Relationship diagram.

1) Entity

2) Relation

✔ **3) Attribute**

4) Touple

| Which command creates ... | 1 | Correct Answer | Check Answer ⌄ |

Which command creates a local git repository?

1) git initrepo

✔ **2) git init**

3) git localrepo

4) git repo

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PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which type of variable...	1	**Correct Answer**	Check Answer ⌄

Which type of variables are associated with class and not the object

1) Private

2) Protected

3) Public

✔   **4) Static**

'AS' clause is used in...	1	**Correct Answer**	Check Answer ⌄

'AS' clause is used in SQL for

1) Selection of data

2) Joining tables

✔   **3) assigning alternative name for a column**

4) Projection of data

_____ and _____...	1	**Correct Answer**	Check Answer ⌄

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

✔   **1) AND**

2) CONCAT

3) JOIN

✔   **4) OR**

WHich of the following...	1	**Correct Answer**	Check Answer ⌄

WHich of the following activities represent Abstraction in Object Orientation?

1) Identifying correct abstract class

2) Creating class with all abstract methods

✔   **3) Ignoring inessential details**

4) Convert concrete class in to pure abstract class

"IS-A" or "IS KIND OF"...	1	**Correct Answer**	Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

"IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

    1) Aggregation

    2) Composition

    3) Association

✔   **4) Inheritance**

Database management sy...   1   **Correct Answer**   Check Answer ∨

Database management systems are intended to

    1) eliminate data redundancy

    2) establish relationship among records in different files

    3) manage file access

    4) maintain data integrity

✔   **5) all of the above**

Which one of the follo...   1   **Correct Answer**   Check Answer ∨

Which one of the following statements describes Encapsulation best?

    1) Class must override all parent methods

✔   **2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.**

    3) Class should contain overloaded methods

    4) None of the above

Choose correct options from fo...   1   **Correct Answer**   Check Answer ∨

Choose correct options from following while
Adding Remote repository helps us to :-
A] Sync up work with team.
B] Decreases development speed.
C] Central clearing house.
D] Keep a back up.

    1) A,B,D

    2) A,B,C

    3) A,B,C,D

✔   **4) A,C,D**

    5) B,C,D

1. Which of the following is the incorrect statement about GIT?

1) Only one.git directory per repository

2) Superior disk utilization and network performance

3) Multiple developers can not checkout

4) Data redundancy and replication

2. _____ and _____ operators combines the result of two component conditions to produce a single result based on them.

1) AND

2) CONCAT

3) JOIN

4) OR

3. State True or False :-
Git add command just adds files to staging area and doesn't actually commits.

1) TRUE

2) FALSE

4. Choose correct options from following while
Adding Remote repository helps us to :-
A] Sync up work with team.
B] Decreases development speed.
C] Central clearing house.
D] Keep a back up.

1) A,B,D

2) A,B,C

3) A,B,C,D

4) A,C,D

5) B,C,D

5. Which one of the following statements is true?

1) We can not overload a method in same class

2) We can not override a method in same class

3) Overloaded methods have exactly same method signature.

4) None of the above statements is true

6. Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

1) i, ii, vi

2) i, ii, v, vi

3) i, iii, iv, vi

4) i, iii, iv

7. Which is not a valid difference between DELETE and TRUNCATE?

1) DELETE is a DML command
TRUNCATE is a DDL command

2) DELETE requires commit
TRUNCATE does not require commit

3) DELETE can not be rolled back.
TRUNCATE can be rolled back.

4) TRUNCATE is faster than DELETE

8. Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

1) MIN

2) COUNT

3) AVG

4) SUM

5) MAX

9. What is staging area or index in GIT?
select all matching/correct options.

1) An intermediate area to format and review

2) Area where merging takes place before pushing to remote

3) Area which can act like cache to review

4) Area where commits are stored

10. Database management systems are intended to

1) eliminate data redundancy

2) establish relationship among records in different files

3) manage file access

4) maintain data integrity

5) all of the above

11. Mr. Natawarlal being businessman has three Cars in his house,

His personal Car

**His wife's Car
Company Car**

Which of the following is the best way to model this description.

1) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are instances of class "Car"

2) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are child classes of "Car" class.

3) "Businessman" class is associated with "PersonalCar", "WifesCar" and "CompanyCar" classes

4) All of the above fail to model it

12. "IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

1) Aggregation

2) Composition

3) Association

4) Inheritance

14. In ORACLE, Which of the following statement is true in case of ORDER BY clause?

1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.

2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.

3) Null values are displayed last in case of Ascending as well as Descending order.

4) Null values are ignored while sorting the records.

**15. Consider the below table structure
Employees(Employee_id,Last_name,job_id,salary,commission_pct,Department_id)
Departments(department_id,department_name)**

Which is the correct query to delete all the employees from Employees table who are in a department where the department name contains the string 'Public.'

1) DELETE FROM employees
WHERE department_name LIKE '%Public%');

2) DELETE FROM employees
WHERE department_id <>
(SELECT department_id
FROM departments
WHERE department_name LIKE "%Public%");

3) DELETE FROM employees
WHERE department_id =
(SELECT department_id
FROM departments
WHERE department_name LIKE '%Public%');

4) DELETE FROM employees,departments
WHERE employees.department_id =
departments.department_id
and department_name LIKE '%Public%'

16. You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently
bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date ASC;

3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

17. In UML how is class represented?

1) Rounded rectangle with 3 partitions

2) Ellipse

3) Rectangle with 3 partitions

4) Dotted Rectangle with 3 partitions

18. Class "Car" inherits from class "Vehicle". Both the classes have method
implementation for start(). Which one of the following OO principles are demonstrated
here?

1) Method overriding

2) Method overloading

3) Reification

4) None of the above

19. State True or False for following statements:-
A] git reset permanently removes commits from repository.
B] git revert is to undo any commit message.
C] git checkout is to undo the committed changes.

1) A] False
B] False
C] False

2) A] True
B] True
C] True

3) A] True
B] True
C] False

4) A] False
B] True
C] True

5) A] False
B] False
C] True

20. For writing a robust code, which of the following guidelines need to be followed

1) All base class attributes need to be static

2) Only base class need to have private attributes

3) every attribute of class must be private. For information hiding

4) The methods and attributes of all classes need to be private.

21. Which one of the following aspect is NOT covered in class model?

1) Which are abstract classes

2) Which methods are overridden in child class

3) Which class can invoke operation of which other class?

4) When specific operation was invoked by other class

22. State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

1) TRUE

2) FALSE

23. What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

1) 1

2) 8

3) 2

4) 6

24. In below example, what would be the value of NEXTVAL after 1000 numbers.

CREATE SEQUENCE seq1
START WITH 1
INCREMENT BY 1
MAXVALUE 1000
NOCYCLE;

1) 1
2) 0
3) 1001
4) Call to Nextval will throw the error.

25. Following command is used to:-

git checkout -b
<sha>

1) Checkout to branch
2) Recover the deleted commit
3) Recover the deleted branch
4) Checkout to temporary deleted branch

26. Column in a table refers to _____ in Entity Relationship diagram.

1) Entity
2) Relation
3) Attribute
4) Touple

27. Which of the following is correct command to merge idea branch to master?

1) git merge --all
2) git merge master
3) git merge idea
4) git branch idea --merge

28. A person has many attributes possible like (name, email, mobile number, weight, height, eye color and so on ...). But while considering class Employee (i.e.)Person working for IT company, model can ignore inessential attributes like weight, height, eye color etc. Which one of the following principles is demonstrated here?

1) method overloading
2) Data hiding
3) Abstraction
4) None of the above

29. Match the following :-

A] git status A] Operates on committed history
B] git log B] Operates on staging area and repository
C] git diff --staged C] Inspects working directory and staging area

1) A -> C
B -> A
C -> B

2) A -> A
B -> B
C -> C

3) A -> B
B -> C
C -> A

4) A -> B
B -> A
C -> C

5) A -> C
B -> B
C -> A

30. Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

1) There is no row with dept_id 90 in the EMPLOYEES table.

2) User cannot delete the JOB_ID column because it is a NOT NULL column.

3) User cannot specify column names in the DELETE clause of the DELETE statement

4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.

31. Which statement describes a commit in Git?

1) The changes to the project sources since inception

2) The changes to the project sources since the previous commit

3) A promise to make a change by a specified date

4) A deadline for the merging of a Git branch
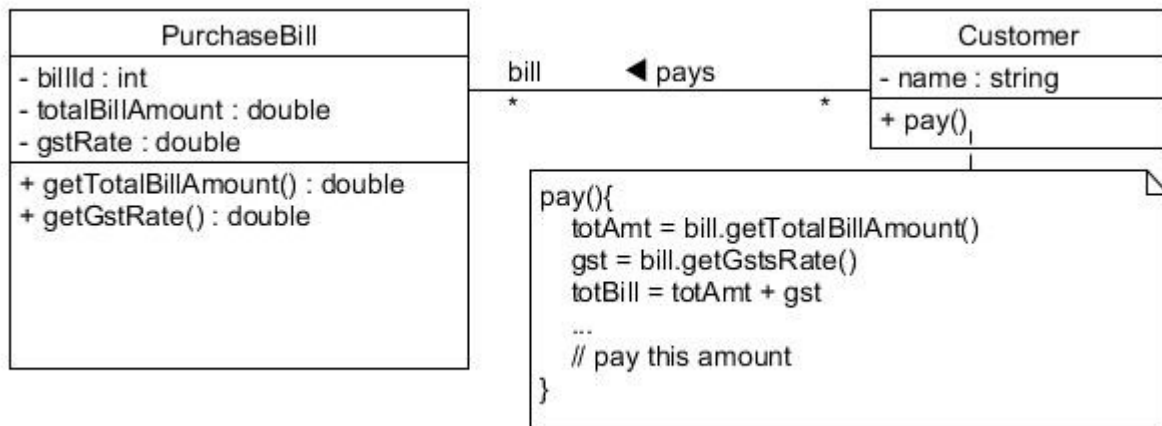
32. 'AS' clause is used in SQL for

1) Selection of data

2) Joining tables

3) assigning alternative name for a column

4) Projection of data

33. In this class model which one of the following OO principles is clearly violated?

1) **Abstraction**
2) Data hiding
3) **Encapsulation**
4) Economy of expression

34. SELECT ROUND(5.693893) from dual;

1) Returns 5
2) Returns 0
3) **Returns 6**
4) Error thrown : Missing Where condition
5) Error thrown : Missing FROM clause

35. A primary key is combined with a foreign key creates

1) **Parent-Child relationship between the tables that connect them.**
2) Many to many relationship between the tables that connect them.
3) Network model between the tables that connect them.
4) None of these

36. Choose the correct sequence of command from following to track a file. (Assume file is being tracked for first time)

1) git init
git -am <message>
git commit <message>

2) **git init**
git add <filename.extension>
git commit -m <message>

3) git init
git commit -m <message>
git add <filename.extension>

4) git init
git commit -am <message>

37. __ is not a Transaction control language statement

1) Revoke

2) Rollback

3) Commit

4) Savepoint

38. What are valid constraint types? (Choose Multiples)

1) NOT NULL

2) UNIQUE

3) CANDIDATE KEY

4) PRIMARY KEY

5) CHECK

39. Which command will automatically commit a new change to your local repository that does the opposite changes of a previous commit, effectively eliminating a previous commit chnage from repository?

1) undo

2) roll back

3) reverse

4) revert

40. WHich of the following activities represent Abstraction in Object Orientation?

1) Identifying correct abstract class

2) Creating class with all abstract methods

3) Ignoring inessential details

4) Convert concrete class in to pure abstract class

41. Which command is used to check last 5 commits by a particular author?

1) git log n 5 author=<"pattern">

2) git log -n 5 -author=<"pattern">

3) git log --n 5 --author=<"pattern">

4) git log -n 5 --author=<"pattern">

42. Which one of the following relationship is mandatory for method overloading

1) Inheritance

2) Composition

3) Aggregation

4) None of the above

43. _____ clause filters the Summarized data.

1) GROUP BY

2) FILTER

3) WHERE

4) HAVING

5) ORDER BY

44. For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

1) Make all attributes public

2) Make all attributes private

3) Make all attributes protected

4) Make all attributes default scope

45. Which type of variables are associated with class and not the object

1) Private

2) Protected

3) Public

4) Static

46. Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)

5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

47. In a given class model, which one of the following statement is true?
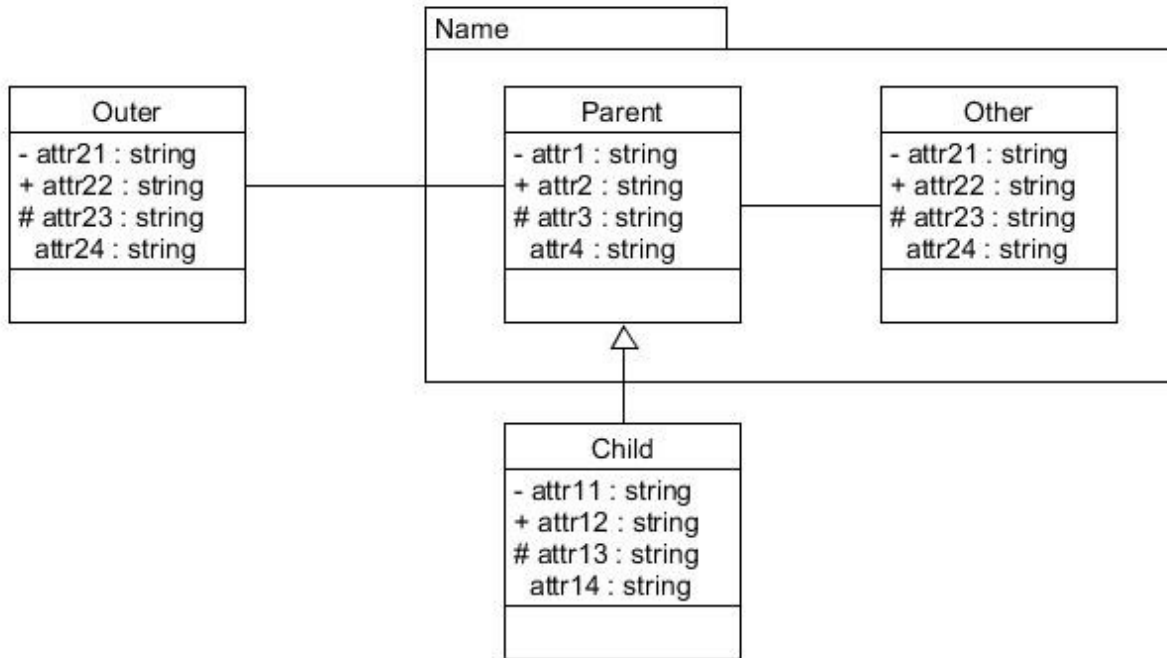
1) Parent can access attr13
2) Outer can access attr4
3) Child can access attr1
4) None of the above

48. A college staff can borrow up to 5 books from library, which of the following models represent the case best?

Staff	**Staff**	**Staff**	**Staff**

(A) **(B)** **(C)** **(D)**
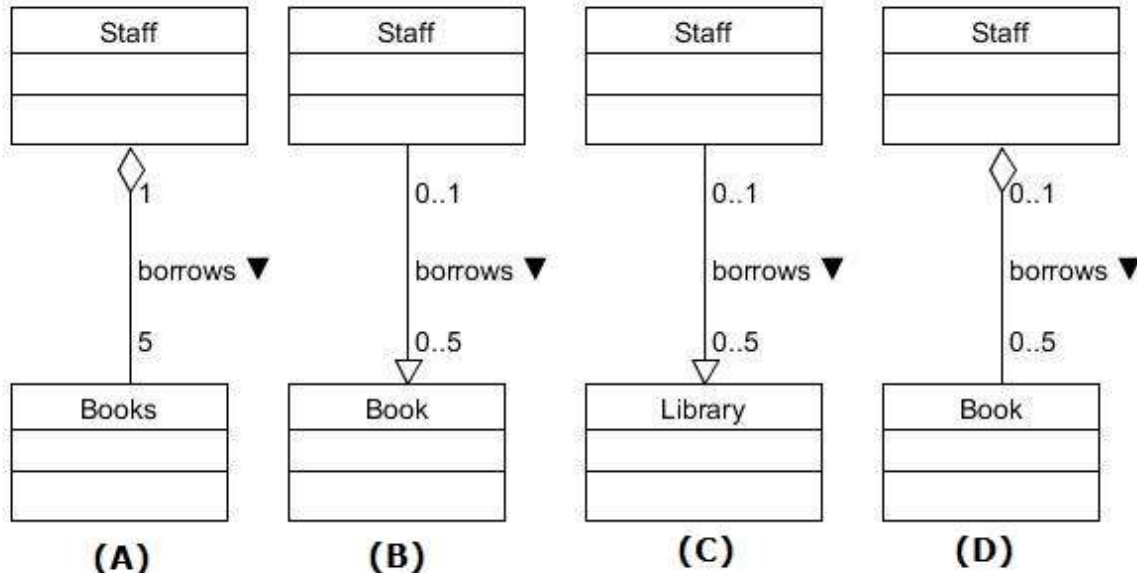
1) A

2) B

3) C

4) D

49. User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

1) insert into EMPLOYEE
values (59694,'HARRIS', NULL);

2) insert into EMPLOYEE
values (59694,'HARRIS');

3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
values (59694,'HARRIS');

4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

50. Select the essential benefits given by Branching. (Choose most correct 2 options)

1) Helps automate test executions

2) Helps merge changes in teams and resolve conflicts

3) Helps work and push changes without impacting the teams involved

4) Ensure adherence to compliance regulations

Identify the tasks that can be performed to manage conflicts in Git. (Choose most correct 2 options)

1) Deleting the identified conflicting resources

2) Identifying conflicting resources using git status

3) Creating copies of the identified conflicting resources

4) Editing the identified conflicting resources

Persistent

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🏆 CONGRATS!!!

Congrats !!! You have successfully completed the session :) ...

Quiz   **Answered Questions : 28 / 50**   **Your Score : %**   ⊡

PROBLEMS	POINTS	ANSWERED CORRECTLY	
In below example, what...	0	Wrong Answer	Check Answer ⊡

In below example, what would be the value of NEXTVAL after 1000 numbers.

CREATE SEQUENCE seq1
START WITH 1
INCREMENT BY 1
MAXVALUE 1000
NOCYCLE;

   1) 1

⊡ **2) 0**

   3) 1001

   4) **Call to Nextval will throw the error.**

Which DDL statement ca...	0	Wrong Answer	Check Answer ⊡

Which DDL statement can be used to remove rows from table t1?

   1) DROP

⊡ **2) DELETE ALL**

   3) **TRUNCATE**

   4) REMOVE

   5) Any of the above is   ne

Which of the following is fals...	0	Wrong Answer	Check Answer ⊡

Which of the following is false :-
A] Almost every operation in git is local
B] Git is not so ef   cient with regards to other version control systems like SVN
C] Git can be used as central version control system
D] Git generates SHA key for every commit

    1) B,C

    2) A,B,C

    3) B,C,D

  4) A,D

Which one of the follo...	1	Correct Answer	Check Answer

Which one of the following statements describes Encapsulation best?

    1) Class must override all parent methods

  2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.

    3) Class should contain overloaded methods

    4) None of the above

Git de ned as -	1	Correct Answer	Check Answer

Git de ned as -

    1) Version control for single user

    2) Centralized Version Control

    3) Not a Directory Content Management System

  4) Distributed Version Control

Which one of the follo...	0	Wrong Answer	Check Answer

Which one of the following statements describes "Encapsulation"?

    1) All the attributes and methods of every class need to be private.

    2) All the attributes and operations of every class need to be public

▢ 3) All the data for an application should be in one class and all the operations for application should be collected in another class. In general class should either contain attributes or operations but not both.

    4) The methods and the data (attributes) on which they operate needs to be kept together in one class.

Employee table contains the be...   1   **Correct Answer**   Check Answer ▢

Employee table contains the below data
Employee_id salary department_id

1	10000	10
2	20000	20
3	35000	null

User executes the below query

select Employee_id, salary,department_id, NVL2(department_id, salary+1000, salary+2000) "Updated salary" from Employee;

What will be the value for "Updated salary" column for Employee id 3.

    1) 36000

    2) 35000

▢ 3) 37000

    4) 21000

You want to change the...   0   **Wrong Answer**   Check Answer ▢

You want to change the name of le1 to   le2 in Git. What command accomplishes this?

    1) git ls   le1   le2

▢ 2) git rm   le1   le2

    3) git mv   le1   le2

    4) git rn   le1   le2

PROBLEMS   POINTS ANSWERED CORRECTLY

Student registers for ...   0   **Wrong Answer**   **Check Answer** ?

Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?

1) A

? **2) B**

3) C
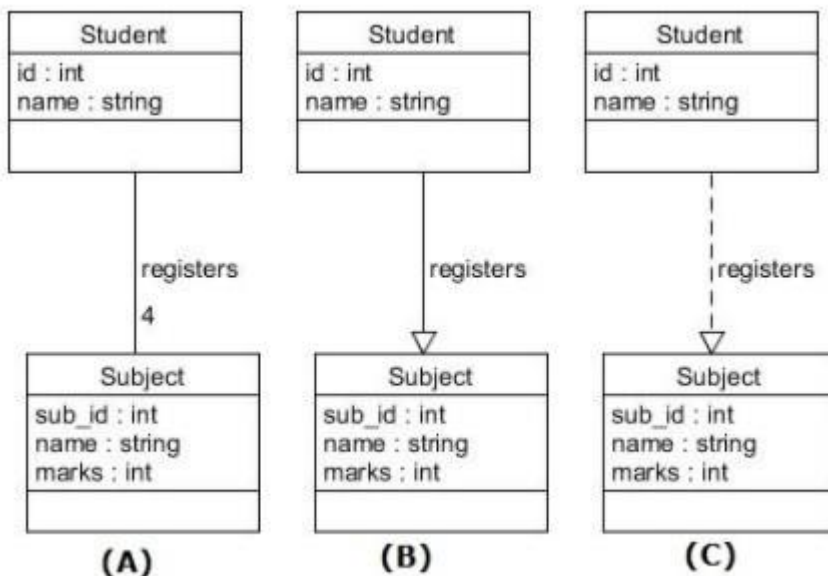
4) None of the above

State True or False for follow...   0   **Wrong Answer**   **Check Answer** ?

PROBLEMS   POINTS ANSWERED CORRECTLY

State True or False for following statements:-
A] git reset permanently removes commits from repository.
B] git revert is to undo any commit message.
C] git checkout is to undo the committed changes.

    1) A] False
    B] False
    C] False

  2) A] True
    B] True
    C] True

    3) A] True
    B] True
    C] False

    4) A] False
    B] True
    C] True

    5) A] False
    B] False
    C] True

State True or False:- ...	1	Correct Answer	Check Answer ⓘ

State True or False:-

Merging means to take all your work from other branch to main branch.

    1) FALSE

  2) TRUE

"IS-A" or "IS KIND OF"...	1	Correct Answer	Check Answer ⓘ

"IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

    1) Aggregation

    2) Composition

    3) Association

  4) Inheritance

Polymorphism means	1	Correct Answer	Check Answer ⓘ

Polymorphism means

    1) Ignoring unessential details

    2) Unique pair of Operation and implementation

    3) Multiple operations with same implementation

 ☑ 4) an operation with different possible implementations

In ORACLE, Which of th...	1	Correct Answer	Check Answer ☑

In ORACLE, Which of the following statement is true in case of ORDER BY clause?

☑ 1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.

    2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.

    3) Null values are displayed last in case of Ascending as well as Descending order.

    4) Null values are ignored while sorting the records.

In a given class model...	0	Wrong Answer	Check Answer ☑

In a given class model, which one of the following statement is true?
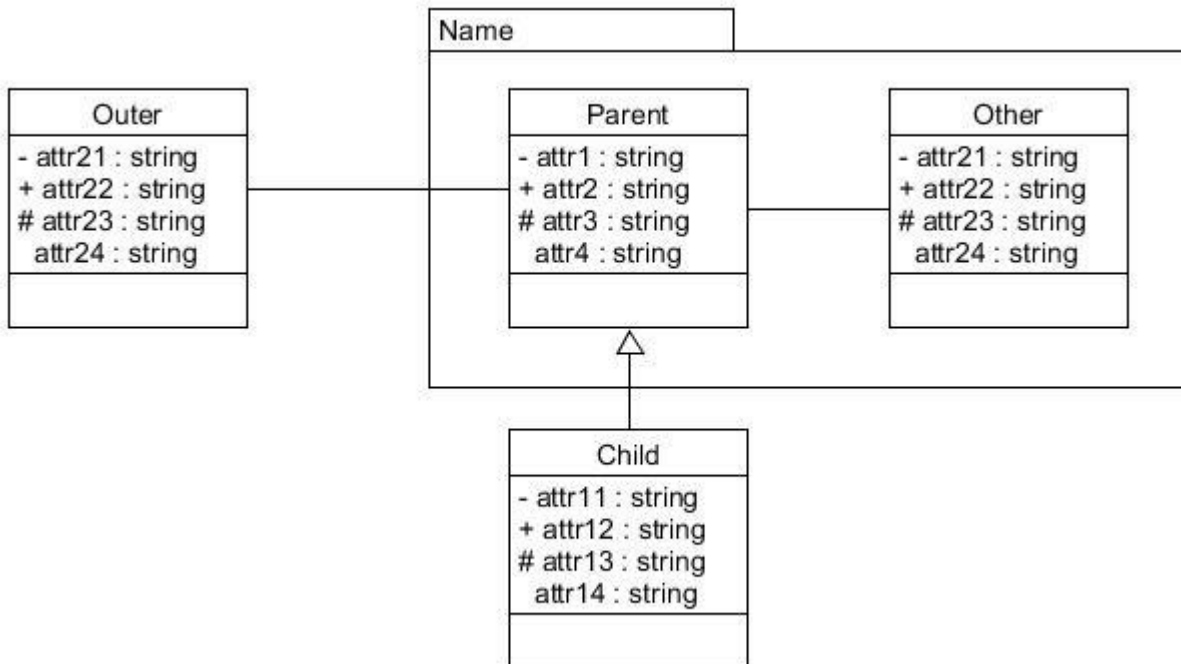
1) Parent can access attr13

2) Outer can access attr4

⚠   **3) Child can access attr1**

4) None of the above

Specify some of the cr...   1   Correct Answer   Check Answer ⚠

Specify some of the critical scenarios that can create merge con   icts. (Choose most correct 2 options)

⚠ **1) A developer edits a   le and another developer deletes the edited   le**

2) Different changes being made to multiple   les

⚠ **3) Different changes being made on same line to the same   le**

4) Different changes being made on diffrent line to the same   le

---

If we are modelling cl...   0   Wrong Answer   Check Answer ⚠

PROBLEMS   POINTS ANSWERED CORRECTLY

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

1) All these three classes are independent and have no relation with each other

2) Vehicle, Scooter and Car have cyclic composition with each other

3) **Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.**

⬜ **4) RTONumber is base class and Vehicle, Car, Scooter are derived classes**

Find below the structure of Em...   0   **Wrong Answer**   Check Answer ⬜

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

1) There is no row with dept_id 90 in the EMPLOYEES table.

2) User cannot delete the JOB_ID column because it is a NOT NULL column.

3) **User cannot specify column names in the DELETE clause of the DELETE statement**

⬜ **4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.**

In this class model wh...   0   **Wrong Answer**   Check Answer ⬜

In this class model which one of the following OO principles is clearly violated?

```
PurchaseBill
- billId : int
- totalBillAmount : double
- gstRate : double
+ getTotalBillAmount() : double
+ getGstRate() : double
```

bill   ◀ pays
  *   *

```
Customer
- name : string
+ pay()
```

```
pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...
    // pay this amount
}
```
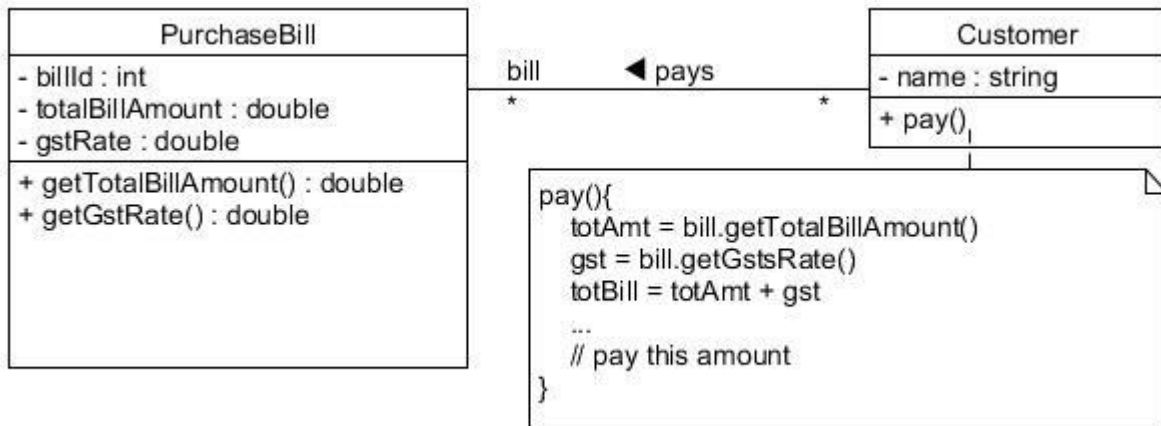
☐   **1) Abstraction**

2) Data hiding

3) Encapsulation

4) Economy of expression

What is a Branch in Git?   1   Correct Answer   Check Answer ☐

What is a Branch in Git?

    1) It is just used to classify your work

☐ **2) It is to create a new story line to give a try outs on new ideas or bug**

    3) Branches are used to optimize your code

    4) Branches are very complex and heavy weight to deal with

---

Bene ts of adding a r...   1   Correct Answer   Check Answer ☐

Bene ts of adding a remote are:-

☐ **1) work collaboration**

☐ **2) Data Back up**

☐ **3) Central clearing house**

    4) Reduces development speed

What are valid constra...   1   Correct Answer   Check Answer ☐

What are valid constraint types? (Choose Multiples)

☑ 1) NOT NULL ☑ 2)

UNIQUE

   3) CANDIDATE KEY

☑ 4) PRIMARY KEY

☑ 5) CHECK

User A would like to i...	1	**Correct Answer**	Check Answer ⬚

User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

☑ 1) insert into EMPLOYEE values

   (59694,'HARRIS', NULL);

   2) insert into EMPLOYEE values (59694,'HARRIS');

   3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
   values (59694,'HARRIS');

   4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

State TRUE or FALSE. <...	0	**Wrong Answer**	Check Answer ⬚

State TRUE or FALSE.
< ALL operator means less than minimum and > ALL operator means greater than Maximum.

   1) TRUE

☑ 2) FALSE

Which of the below can...	0	**Wrong Answer**	Check Answer ⬚

PROBLEMS   POINTS ANSWERED CORRECTLY

Which of the below can be used to verify that the password entered by the user matches a certain strength?

☒ **1) Unique constraint**

2) Check constraint

3) Column size

4) None of the above

In DML statements, which type ...   1   Correct Answer   Check Answer ☒

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

1) Scalar Variables

☒ **2) Substitution variables**

3) Bind variables

4) Prompt variables

For writing a robust c...   1   Correct Answer   Check Answer ☒

For writing a robust code, which of the following guidelines need to be followed

1) All base class attributes need to be static

2) Only base class need to have private attributes

☒ **3) every attribute of class must be private. For information hiding** 4)
The methods and attributes of all classes need to be private.

Which command will automatical...   0   Wrong Answer   Check Answer ☒

Which command will automatically commit a new change to your local repository that does the opposite changes of a previous commit, effectively eliminating a previous commit chnage from repository?

1) undo

☒ **2) roll back**

3) reverse

4) revert

_____ and _____...   0   **Wrong Answer**   Check Answer ⏷

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

☑ **1) AND**

☑ **2) CONCAT** ☑ **3)**

JOIN

4) OR

For protecting the cli...   1   **Correct Answer**   Check Answer ⏷

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

1) Make all attributes public

☑ **2) Make all attributes private**

3) Make all attributes protected

4) Make all attributes default scope

'AS' clause is used in...   1   **Correct Answer**   Check Answer ⏷

'AS' clause is used in SQL for

1) Selection of data

2) Joining tables

☑ **3) assigning alternative name for a column**

4) Projection of data

Which type of variable...   1   **Correct Answer**   Check Answer ⏷

Which type of variables are associated with class and not the object

1) Private

2) Protected

3) Public

☑ **4) Static**

PROBLEMS	POINTS	ANSWERED CORRECTLY	
State True or False:- ...	1	**Correct Answer**	Check Answer ⏷

State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

    1) TRUE

☐ **2) FALSE**

git diff --cached': Sh...	0	**Wrong Answer**	Check Answer ⏷

git diff --cached': Shows differences between :-

    1) Invalid Option

    2) Index and Working Directory

☐ **3) Working Directory and the most recent commit**

    4) Index and the most recent commit

State True or False :-...	1	**Correct Answer**	Check Answer ⏷

State True or False :-
Git add command just adds les to staging area and doesn't actually commits.

☐ **1) TRUE**

    2) FALSE

if class "Department" ...	0	**Wrong Answer**	Check Answer ⏷

if class "Department" contains, methods countProfessors() and countProfessors(criteria: int). Which OO principle it demonstrates

    1) Method overloading

    2) Method overriding

☐ **3) Polymorphism**

    4) None of the above

Column in a table refe...	1	**Correct Answer**	Check Answer ⏷

PROBLEMS   POINTS ANSWERED CORRECTLY

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

    2) Relation

 🗹 **3) Attribute**

    4) Touple

WHich of the following...   1   Correct Answer   Check Answer 🗹

WHich of the following activities represent Abstraction in Object Orientation?

    1)   Identifying correct abstract class

    2)   Creating class with all abstract methods 🗹 **3) Ignoring**

   inessential details

    4) Convert concrete class in to pure abstract class

You would like to disp...   1   Correct Answer   Check Answer 🗹

You would like to display the system date in the format "Monday, 01 June, 2001". Which SELECT statement should you use?

    1) SELECT TO_DATE(SYSDATE, 'DAY, DD Month, YYYY') FROM dual;

    2) SELECT TO_CHAR(SYSDATE, 'DD, DY Month, 'YYYY') FROM dual;

 🗹 **3) SELECT TO_CHAR(SYSDATE, 'Day, DD Month, YYYY') FROM dual;**

    4) SELECT TO_CHAR(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

    5) SELECT TO_DATE(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

In UML how is class re...   1   Correct Answer   Check Answer 🗹

In UML how is class represented?

    1) Rounded rectangle with 3 partitions

    2) Ellipse

 🗹 **3) Rectangle with 3 partitions**

    4) Dotted Rectangle with 3 partitions

By default, git stash ...   1   Correct Answer   Check Answer 🗹

PROBLEMS   POINTS ANSWERED CORRECTLY

By default, git stash pop will re-apply the most recently added stash.

☒ **1) TRUE**

   2) FALSE

Select the appropriate...   1   Correct Answer   Check Answer ☐

Select the appropriate basic work ow of Git from following.

   1) Stage
   Edit
   Review
   Commit

   2) Edit
   Commit
   Stage
   Review

☒ **3) Edit**
   Stage
   Review
   Commit

   4) Commit
   Edit
   Stage
   Review

A college staff can bo...   0   Wrong Answer   Check Answer ☐

A college staff can borrow up to 5 books from library, which of the following models represent the case best?
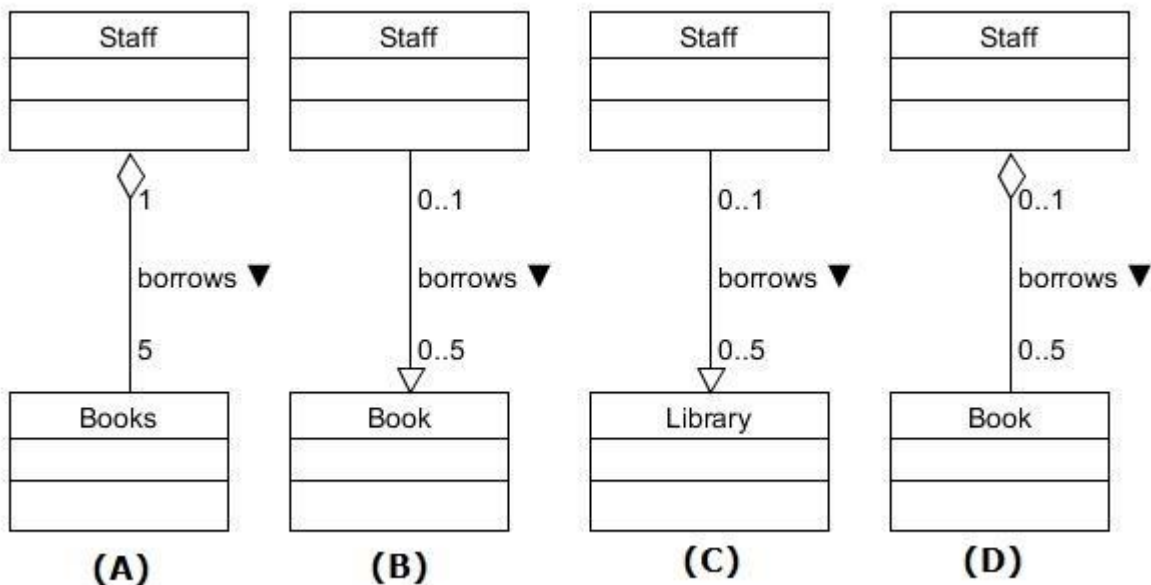
1) A

2) B

⬜ **3) C**

4) D

What will be the outpu...   0   **Wrong Answer**   **Check Answer** ⬚

What will be the output of select initcap(substr('Checklist',6)) from dual;

⬚ **1) Check**

2) List

3) L

4) list

The EMP table has thes...   1   **Correct Answer**   **Check Answer** ⬚

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and whose salary in the range of 60000 to 100000. Which SQL statement displays the required results?

1) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
AND SALARY BETWEEN (60000,100000);

2) SELECT ENAME
FROM EMP
WHERE YYYY(HIRE_DATE) in ('2011','2012')
AND SALARY IN 60000 and 100000;

☑ 3) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

4) SELECT ENAME
FROM EMP
WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

A primary key is combi...	1	Correct Answer	Check Answer ⓘ

A primary key is combined with a foreign key creates

☑ 1) Parent-Child relationship between the tables that connect them.

2) Many to many relationship between the tables that connect them.

3) Network model between the tables that connect them.

4) None of these

Which query should be ...	0	Wrong Answer	Check Answer ⓘ

Which query should be used to   nd all the courses taught in both the 'Fall 2013' semester and in the 'Spring 2014' semester .

1) Select distinct courseid from section where semester = 'Fall' and year= 2013 and courseid not in (select courseid from section where semester = 'Spring' and year= 2014);

☒ 2) Select distinct courseid from section where semester in ('Fall', 'Spring') and year in (2013,2014);

3) Select distinct courseid from section where semester = 'Fall' and year= 2013 and courseid in (select courseid from section where semester = 'Spring' and year= 2014);

4) Select distinct courseid from section where semester in ('Fall', 'Spring') or year in (2013,2014);

5) None of the above

Select the correct map...   1   **Correct Answer**   Check Answer ☐

Select the correct mapping: i. CREATE - DDL ii. RENAME - DCL iii. ROLLBACK - TCL iv. REVOKE - DCL v. DELETE - DDL vi. UPDATE - DML

1) i, ii, vi

2) i, ii, v, vi

☒ 3) i, iii, iv, vi

4) i, iii, iv

Select the correct option with...   0   **Wrong Answer**   Check Answer ☐

Select the correct option with regards to Staging Area?

> 1)   Marking a new le to make it ready to edit
>
> 2)   Marking a new le to remove from repository ⬚ 3) Committing a
>
>   le to repository
>
>   4) Marking a modi ed   le in its current version to go into your next commit snapshot

Examine the description of the...   0   **Wrong Answer**   Check Answer ⬚

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

⬚ **1) MIN**

>   **2) COUNT**
>
>   **3) AVG**
>
>   **4) SUM**
>
>   **5) MAX**

Go to course

Persistent   🏠 🛒   PR   Prashant Rajput ▾

GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**   TOTAL SCORE : **66 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **33** / 50   Your Score : **66 %**   ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which SQL statement ac...	1	**Correct Answer**	Check Answer ⌄

> **Which SQL statement accepts user input for the columns to be displayed, the table name, and WHERE condition?**
>
>   **1) SELECT &1, "&2"**
> **FROM &3**
> **WHERE last_name = '&4';**
>
>   **2) SELECT &1, '&2'**
> **FROM &3**
> **WHERE '&last_name = '&4' ';**
>
> ✔ **3) SELECT &1, &2**
> **FROM &3**
> **WHERE last_name = '&4';**
>
>   **4) SELECT &1, '&2'**
> **FROM EMP**
> **WHERE last_name = '&4';**

Employee's joining dat...	0	**Wrong Answer**	Check Answer ⌄

Persistent   🏠 🛒   PR   Prashant Rajput ▾

Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

    1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

    2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

    3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

✖   **4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)**

    5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

Which command creates ...	1	**Correct Answer**	Check Answer ⌄

Which command creates a local git repository?

    1) git initrepo

✔   **2) git init**

    3) git localrepo

    4) git repo

If we are modelling cl...	1	**Correct Answer**	Check Answer ⌄

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

    1) All these three classes are independent and have no relation with each other

    2) Vehicle, Scooter and Car have cyclic composition with each other

✔   **3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.**

    4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

Which DDL statement ca...	0	**Wrong Answer**	Check Answer ⌄

Which DDL statement can be used to remove rows from table t1?

✖ 1) DROP

2) DELETE ALL

3) TRUNCATE

4) REMOVE

5) Any of the above is fine

| Benefits of adding a r... | 1 | Correct Answer | Check Answer ⌄ |

Benefits of adding a remote are:-

✔ 1) work collaboration

✔ 2) Data Back up

✔ 3) Central clearing house

4) Reduces development speed

| 'AS' clause is used in... | 1 | Correct Answer | Check Answer ⌄ |

'AS' clause is used in SQL for

1) Selection of data

2) Joining tables

✔ 3) assigning alternative name for a column

4) Projection of data

| The class model of For... | 0 | Wrong Answer | Check Answer ⌄ |

The class model of Formatter in the figure demonstrates which Object Oriented principle(s)

✖   **1) Method Overloading**

    2) Data/Information hiding

    3) Method Overriding

    4) All of the above

In DML statements, which type ...   1   Correct Answer   Check Answer ∨

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

    1) Scalar Variables

✔   **2) Substitution variables**

    3) Bind variables

    4) Prompt variables

For writing a robust c...   1   Correct Answer   Check Answer ∨

For writing a robust code, which of the following guidelines need to be followed

    1) All base class attributes need to be static

    2) Only base class need to have private attributes

✔   **3) every attribute of class must be private. For information hiding**

    4) The methods and attributes of all classes need to be private.

PROBLEMS   POINTS ANSWERED CORRECTLY

Which type of variable...   1   **Correct Answer**   Check Answer ∨

Which type of variables are associated with class and not the object

    1) Private

    2) Protected

    3) Public

✔ **4) Static**

Which is not a valid differenc...   1   **Correct Answer**   Check Answer ∨

Which is not a valid difference between DELETE and TRUNCATE?

    1) DELETE is a DML command
    TRUNCATE is a DDL command

    2) DELETE requires commit
    TRUNCATE does not require commit

✔ **3) DELETE can not be rolled back.**
    TRUNCATE can be rolled back.

    4) TRUNCATE is faster than DELETE

A primary key is combi...   1   **Correct Answer**   Check Answer ∨

A primary key is combined with a foreign key creates

✔ **1) Parent-Child relationship between the tables that connect them.**

    2) Many to many relationship between the tables that connect them.

    3) Network model between the tables that connect them.

    4) None of these

Find below the structure of Em...   0   **Wrong Answer**   Check Answer ∨

PROBLEMS   POINTS ANSWERED CORRECTLY

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

    1) There is no row with dept_id 90 in the EMPLOYEES table.

    2) User cannot delete the JOB_ID column because it is a NOT NULL column.

    3) User cannot specify column names in the DELETE clause of the DELETE statement

✖   **4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.**

Mr. Natawarlal being b...   **1**   **Correct Answer**   Check Answer ⌄

Mr. Natawarlal being businessman has three Cars in his house,

His personal Car
His wife's Car
Company Car

Which of the following is the best way to model this description.

✔   **1) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are instances of class "Car"**

    2) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are child classes of "Car" class.

    3) "Businessman" class is associated with "PersonalCar", "WifesCar" and "CompanyCar" classes

    4) All of the above fail to model it

Which command is used ...   **1**   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which command is used to check last 5 commits by a particular author?

    1) git log n 5 author=<"pattern">

    2) git log -n 5 -author=<"pattern">

    3) git log --n 5 --author=<"pattern">

✔   **4) git log -n 5 --author=<"pattern">**

In ORACLE, Which of th...   0   **Wrong Answer**   Check Answer ⌄

In ORACLE, Which of the following statement is true in case of ORDER BY clause?

    1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.

✖   **2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.**

    3) Null values are displayed last in case of Ascending as well as Descending order.

    4) Null values are ignored while sorting the records.

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following statements describes Encapsulation best?

    1) Class must override all parent methods

✔   **2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.**

    3) Class should contain overloaded methods

    4) None of the above

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following statements is true?

    1) We can not overload a method in same class

✔   **2) We can not override a method in same class**

    3) Overloaded methods have exactly same method signature.

    4) None of the above statements is true

PROBLEMS	POINTS	ANSWERED CORRECTLY	
What are the advantage...	1	Correct Answer	Check Answer ∨

What are the advantages of using Git?

    1) Allows to create multiple revisions under a tag root

✔ 2) Data redundancy and replication

✔ 3) Superior disk utilization and network performance

✔ 4) Only one.git directory per repository

| __ is not a Transactio... | 1 | Correct Answer | Check Answer ∨ |

__ is not a Transaction control language statement

✔ 1) Revoke

    2) Rollback

    3) Commit

    4) Savepoint

| Choose the correct seq... | 1 | Correct Answer | Check Answer ∨ |

Choose the correct sequence of command from following to track a file. (Assume file is being tracked for first time)

    1) git init
git -am <message>
git commit <message>

✔ 2) git init
git add <filename.extension>
git commit -m <message>

    3) git init
git commit -m <message>
git add <filename.extension>

    4) git init
git commit -am <message>

| Which of the following... | 1 | Correct Answer | Check Answer ∨ |

Which of the following is the incorrect statement about GIT?

    1) Only one.git directory per repository

    2) Superior disk utilization and network performance

✔ 3) Multiple developers can not checkout

    4) Data redundancy and replication

Which of the following...   1   Correct Answer   Check Answer ⌄

Which of the following command(s) can be used to integrate changes from one branch to another branch ?

    1) git stash

✔ 2) git rebase

    3) git reset

    4) git revert

Examine the description of the...   0   Wrong Answer   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

    1) MIN

    2) COUNT

✖ 3) AVG

✖ 4) SUM

    5) MAX

Polymorphism means   1   Correct Answer   Check Answer ⌄

Polymorphism means

1) Ignoring unessential details

2) Unique pair of Operation and implementation

3) Multiple operations with same implementation

✔ **4) an operation with different possible implementations**

A college staff can bo...   0   **Wrong Answer**   Check Answer ˅

A college staff can borrow up to 5 books from library, which of the following models represent the case best?

1) A

✖ **2) B**

3) C

4) D

In this class model wh...   1   **Correct Answer**   Check Answer ˅

In this class model which one of the following OO principles is clearly violated?

PurchaseBill

- billId : int
- totalBillAmount : double
- gstRate : double

+ getTotalBillAmount() : double
+ getGstRate() : double

bill   ◀ pays
*   *

Customer

- name : string

+ pay()

pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...

    // pay this amount
}

1) Abstraction

2) Data hiding

✔ **3) Encapsulation**

4) Economy of expression

Match the following :-...   1   **Correct Answer**   **Check Answer ✔**

Match the following :-

A] git status A] Operates on committed history
B] git log B] Operates on staging area and repository
C] git diff --staged C] Inspects working directory and staging area

✔ 1) A -> C
   B -> A
   C -> B

   2) A -> A
   B -> B
   C -> C

   3) A -> B
   B -> C
   C -> A

   4) A -> B
   B -> A
   C -> C

   5) A -> C
   B -> B
   C -> A

What is staging area or index ...   0   **Wrong Answer**   Check Answer ⌄

What is staging area or index in GIT?
select all matching/correct options.

   1) An intermediate area to format and review
✖ 2) Area where merging takes place before pushing to remote
   3) Area which can act like cache to review
✖ 4) Area where commits are stored

State True or False:- ...   0   **Wrong Answer**   Check Answer ⌄

State True or False:-

Merging means to take all your work from other branch to main branch.

✖ 1) FALSE
   2) TRUE

PROBLEMS   POINTS ANSWERED CORRECTLY

Database management sy...   **1**   **Correct Answer**   Check Answer ∨

Database management systems are intended to

    1) eliminate data redundancy

    2) establish relationship among records in different files

    3) manage file access

    4) maintain data integrity

✔   **5) all of the above**

In a real world, "Hous...   **0**   **Wrong Answer**   Check Answer ∨

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

✖   **1) Data hiding**

    2) Encapsulation

    3) Abstraction

    4) Polymorphism

By default, git stash ...   **1**   **Correct Answer**   Check Answer ∨

By default, git stash pop will re-apply the most recently added stash.

✔   **1) TRUE**

    2) FALSE

Employee table contains the be...   **1**   **Correct Answer**   Check Answer ∨

Employee table contains the below data
Employee_id salary department_id

```
1        10000    10
2        20000    20
3        35000    null
```

User executes the below query

select Employee_id, salary,department_id,
NVL2(department_id, salary+1000, salary+2000) "Updated salary"
from Employee;

What will be the value for "Updated salary" column for Employee id 3.

    1) 36000

    2) 35000

✔   3) 37000

    4) 21000

Specify some of the cr...   0   **Wrong Answer**   Check Answer ⌄

Specify some of the critical scenarios that can create merge conflicts. (Choose most correct 2 options)

    1) A developer edits a file and another developer deletes the edited file

    2) Different changes being made to multiple files

✔   **3) Different changes being made on same line to the same file**

✘   **4) Different changes being made on diffrent line to the same file**

What is the output of ...   1   **Correct Answer**   Check Answer ⌄

What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

    1) 1

    2) 8

✔   3) 2

    4) 6

PROBLEMS   POINTS   ANSWERED CORRECTLY

What is the outcome of the que...   1   **Correct Answer**   Check Answer ⌄

What is the outcome of the query?

SELECT * FROM payments
Where amount=(SELECT MAX(amount)
          FROM payments)
AND sales_person_id in (SELECT sales_person_id
             FROM salesman
             Where office_code='PUNE')

     1) Details of lowest paying customer

     2) Details of highest paying customer

     3) Details of sales persons of Pune and their orders

✔   4) Details of the highest payment which is taken by a sales person whose office is Pune

     5) Details of the highest payment by any customer from Pune

What is false for Synonym   0   **Wrong Answer**   Check Answer ⌄

What is false for Synonym

     1) Synonyms are always public

     2) Synonyms can be created for Java class schema object

✖   3) Synonyms can be created for another synonym

     4) To create public synonym you need CREATE PUBLIC SYNONYM system priviledge

What are valid constra...   1   **Correct Answer**   Check Answer ⌄

What are valid constraint types? (Choose Multiples)

✔   1) NOT NULL

✔   2) UNIQUE

     3) CANDIDATE KEY

✔   4) PRIMARY KEY

✔   5) CHECK

Following command is u...   0   **Wrong Answer**   Check Answer ⌄

Following command is used to:-

git checkout -b
<sha>

❌   1) Checkout to branch

    2) Recover the deleted commit

    3) Recover the deleted branch

    4) Checkout to temporary deleted branch

The EMP table has thes...   0   **Wrong Answer**   Check Answer ⌄

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and whose salary in the range of 60000 to 100000. Which SQL statement displays the required results?

    1) SELECT ENAME
    FROM EMP
    WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
    AND SALARY BETWEEN (60000,100000);

    2) SELECT ENAME
    FROM EMP
    WHERE YYYY(HIRE_DATE) in ('2011','2012')
    AND SALARY IN 60000 and 100000;

    3) SELECT ENAME
    FROM EMP
    WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
    AND SALARY BETWEEN 60000 and 100000;

    4) SELECT ENAME
    FROM EMP
    WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
    AND SALARY BETWEEN 60000 and 100000;

In UML how is class re...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

In UML how is class represented?

    1) Rounded rectangle with 3 partitions

    2) Ellipse

✔ 3) Rectangle with 3 partitions

    4) Dotted Rectangle with 3 partitions

Column in a table refe...   1   Correct Answer   Check Answer ⌄

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

    2) Relation

✔ 3) Attribute

    4) Touple

Select the appropriate...   1   Correct Answer   Check Answer ⌄

Select the appropriate basic workflow of Git from following.

    1) Stage
    Edit
    Review
    Commit

    2) Edit
    Commit
    Stage
    Review

✔ 3) Edit
    Stage
    Review
    Commit

    4) Commit
    Edit
    Stage
    Review

Choose correct options from fo...   1   Correct Answer   Check Answer ⌄

Choose correct options from following while
Adding Remote repository helps us to :-
A] Sync up work with team.
B] Decreases development speed.
C] Central clearing house.
D] Keep a back up.

     1) A,B,D

     2) A,B,C

     3) A,B,C,D

✔   4) A,C,D

     5) B,C,D

For protecting the cli...   0   **Wrong Answer**   Check Answer ⌄

For protecting the client classes from changes in attributes and getting control over state
of the object, which one of the following strategies helps best?

     1) Make all attributes public

     2) Make all attributes private

✖   **3) Make all attributes protected**

     4) Make all attributes default scope

A person has many attr...   1   **Correct Answer**   Check Answer ⌄

A person has many attributes possible like (name, email, mobile number, weight, height,
eye color and so on ...). But while considering class Employee (i.e.)Person working for IT
company, model can ignore inessential attributes like weight, height, eye color etc.
Which one of the following principles is demonstrated here?

     1) method overloading

     2) Data hiding

✔   **3) Abstraction**

     4) None of the above

What will be the outpu...   0   **Wrong Answer**   Check Answer ⌄

What will be the output of
select initcap(substr('Checklist',6)) from dual;

✖   **1) Check**

    2) List

    3) L

    4) list

In a given class model...   0   **Wrong Answer**   Check Answer ⌄

In a given class model, which one of the following statement is true?

✖   **1) Parent can access attr13**

    2) Outer can access attr4

    3) Child can access attr1

    4) None of the above

Go to course

Persistent

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GEMS Generic... / GEMS Generic Paper - Combin...

👍 CONGRATS!!!

TOTAL SCORE : **60 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **30** / 50   Your Score : **60 %** ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
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What is false for Synonym

   1) Synonyms are always public

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   4) To create public synonym you need CREATE PUBLIC SYNONYM system priviledge

A person has many attr...	0	Wrong Answer	Check Answer ⌄

A person has many attributes possible like (name, email, mobile number, weight, height, eye color and so on ...). But while considering class Employee (i.e.)Person working for IT company, model can ignore inessential attributes like weight, height, eye color etc. Which one of the following principles is demonstrated here?

✖ 1) method overloading

   2) Data hiding

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   4) None of the above

Column in a table refe...	0	Wrong Answer	Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

✖ **2) Relation**

    3) Attribute

    4) Touple

You want to change the...   0   Wrong Answer   Check Answer ⌄

You want to change the name of file1 to file2 in Git. What command accomplishes this?

    1) git ls file1 file2

    2) git rm file1 file2

    3) git mv file1 file2

✖ **4) git rn file1 file2**

Find below the structure of Em...   1   Correct Answer   Check Answer ⌄

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

    1) There is no row with dept_id 90 in the EMPLOYEES table.

    2) User cannot delete the JOB_ID column because it is a NOT NULL column.

✔ **3) User cannot specify column names in the DELETE clause of the DELETE statement**

    4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.

You want to display th...   0   Wrong Answer   Check Answer ⌄

You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date ASC;

✖ 3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

State TRUE or FALSE. <...   1   Correct Answer   Check Answer ∨

State TRUE or FALSE.
< ALL operator means less than minimum and > ALL operator means greater than Maximum.

✔ 1) TRUE

2) FALSE

Which of the following are cor...   0   Wrong Answer   Check Answer ∨

Which of the following are correct basic steps to work with Git Remote?

✖   **1) Setup a GitHub Account**
Create Repository
Copy Remote(Clone)
Add Remote
Check Changes in Remote(Fetch)
Merge in Fetched Changes(Merge)
Push Changes to Remote(Push)

2) Create Repository
Setup a GitHub Account
Copy Remote(Clone)
Add Remote
Push Changes to Remote(Push)
Merge in Fetched Changes(Merge)
Check Changes in Remote(Fetch)

3) Setup a GitHub Account
Create Repository
Copy Remote(Clone)
Add Remote
Check Changes in Remote(Fetch)
Push Changes to Remote(Push)
Merge in Fetched Changes(Merge)

4) Setup a GitHub Account
Create Repository
Add Remote
Push Changes to Remote(Push)
Check Changes in Remote(Fetch)
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Select the appropriate...   1   **Correct Answer**   Check Answer ⌄

Select the appropriate basic workflow of Git from following.

    1) Stage
    Edit
    Review
    Commit

    2) Edit
    Commit
    Stage
    Review

✔   **3) Edit**
    Stage
    Review
    Commit

    4) Commit
    Edit
    Stage
    Review

What is a Branch in Git?	0	Wrong Answer	Check Answer ⌄

What is a Branch in Git?

✖   **1) It is just used to classify your work**

    2) It is to create a new story line to give a try outs on new ideas or bug

    3) Branches are used to optimize your code

    4) Branches are very complex and heavy weight to deal with

If we are modelling cl...	1	Correct Answer	Check Answer ⌄

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

    1) All these three classes are independent and have no relation with each other

    2) Vehicle, Scooter and Car have cyclic composition with each other

✔   **3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.**

    4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

PROBLEMS	POINTS	ANSWERED CORRECTLY

Following command is u...   0   **Wrong Answer**   Check Answer ⌄

Following command is used to:-

**git checkout -b
<sha>**

❌   **1) Checkout to branch**

   2) Recover the deleted commit

✅   **3) Recover the deleted branch**

   4) Checkout to temporary deleted branch

In UML how is class re...   1   **Correct Answer**   Check Answer ⌄

In UML how is class represented?

   1) Rounded rectangle with 3 partitions

   2) Ellipse

✔   **3) Rectangle with 3 partitions**

   4) Dotted Rectangle with 3 partitions

State True or False:- ...   1   **Correct Answer**   Check Answer ⌄

State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

   1) TRUE

✔   **2) FALSE**

For writing a robust c...   1   **Correct Answer**   Check Answer ⌄

For writing a robust code, which of the following guidelines need to be followed

1) All base class attributes need to be static

2) Only base class need to have private attributes

✔ **3) every attribute of class must be private. For information hiding**

4) The methods and attributes of all classes need to be private.

| The EMP table has thes... | 0 | Wrong Answer | Check Answer ⌄ |

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and whose salary in the range of 60000 to 100000. Which SQL statement displays the required results?

1) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
AND SALARY BETWEEN (60000,100000);

2) SELECT ENAME
FROM EMP
WHERE YYYY(HIRE_DATE) in ('2011','2012')
AND SALARY IN 60000 and 100000;

3) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

✖ **4) SELECT ENAME**
FROM EMP
WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

| State True or False:- ... | 1 | Correct Answer | Check Answer ⌄ |

State True or False:-

Merging means to take all your work from other branch to main branch.

    1) FALSE

✓   **2) TRUE**

Examine the description of the...   **1**   **Correct Answer**   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

✓   **1) MIN**

✓   **2) COUNT**

    3) AVG

    4) SUM

✓   **5) MAX**

In a given class model...   **0**   **Wrong Answer**   Check Answer ⌄

In a given class model, which one of the following statement is true?

```
                              ┌─────────────────────────────────┐
                              │ Name                            │
                              │ ┌──────────┐  ┌──────────┐      │
  ┌──────────┐                │ │  Parent  │  │  Other   │      │
  │  Outer   │                │ ├──────────┤  ├──────────┤      │
  ├──────────┤                │ │- attr1:string││- attr21:string│
  │- attr21:string│───────────│ │+ attr2:string││+ attr22:string│
  │+ attr22:string│           │ │# attr3:string││# attr23:string│
  │# attr23:string│           │ │  attr4:string││  attr24:string│
  │  attr24:string│           │ └──────────┘  └──────────┘      │
  └──────────┘                │        △                        │
                              └────────┼────────────────────────┘
                                       │
                                 ┌──────────┐
                                 │  Child   │
                                 ├──────────┤
                                 │- attr11:string│
                                 │+ attr12:string│
                                 │# attr13:string│
                                 │  attr14:string│
                                 └──────────┘
```

✖   **1) Parent can access attr13**

2) Outer can access attr4

3) Child can access attr1

4) None of the above

To remove and discard ...   0   **Wrong Answer**   Check Answer ⌄

To remove and discard the changes from the last commit on your current branch, you should use:

1) git revert HEAD~1

2) git reset --hard HEAD~1

3) git reset --hard HEAD

4) git revert HEAD

✖   **5) git reset --soft HEAD**

_____ clause filte...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

_____ clause filters the Summarized data.

✖   1) GROUP BY

2) FILTER

3) WHERE

4) HAVING

5) ORDER BY

Which one of the follo...   1   Correct Answer   Check Answer ⌄

Which one of the following statements describes Encapsulation best?

1) Class must override all parent methods

✔   2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.

3) Class should contain overloaded methods

4) None of the above

State TRUE or FALSE. O...   1   Correct Answer   Check Answer ⌄

State TRUE or FALSE.
One table can contain only one Primary key but multiple foreign keys.

✔   1) TRUE

2) FALSE

Select the correct option with...   1   Correct Answer   Check Answer ⌄

Select the correct option with regards to Staging Area?

1) Marking a new file to make it ready to edit

2) Marking a new file to remove from repository

3) Committing a file to repository

✔   4) Marking a modified file in its current version to go into your next commit snapshot

_____ and _____...   0   Wrong Answer   Check Answer ⌄

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

     1) AND

     2) CONCAT

✖   3) JOIN

✔   4) OR

Select the correct map...   **1**   **Correct Answer**   Check Answer ⌄

Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

     1) i, ii, vi

     2) i, ii, v, vi

✔   3) i, iii, iv, vi

     4) i, iii, iv

---

method travel(src: str...   **0**   **Wrong Answer**   Check Answer ⌄

method travel(src: string, dest: string) in a base class and travel(dest: string) in derived class is a best example of ...

     1) Runtime Polymorphism

     2) Overloading

✖   3) Overriding

     4) "Option B" and "Option C" both

To delete remote branc...   **1**   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

To delete remote branch what is the command that is used?

✔   **1) git push <remote_name> --delete <branch name>**

    2) git delete

    3) git branch -a

    4) git branch -d branchName

Mr. Natawarlal being b...	1	Correct Answer	Check Answer ∨

Mr. Natawarlal being businessman has three Cars in his house,

His personal Car
His wife's Car
Company Car

Which of the following is the best way to model this description.

✔   **1) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are instances of class "Car"**

    2) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are child classes of "Car" class.

    3) "Businessman" class is associated with "PersonalCar", "WifesCar" and "CompanyCar" classes

    4) All of the above fail to model it

Which DDL statement ca...	1	Correct Answer	Check Answer ∨

Which DDL statement can be used to remove rows from table t1?

    1) DROP

    2) DELETE ALL

✔   3) TRUNCATE

    4) REMOVE

    5) Any of the above is fine

Which one of the follo...	0	Wrong Answer	Check Answer ∨

Which one of the following statements is correct for Inheritance relationship?

✖ **1) Base class inherits the properties of derived class**

  2) Derived class inherits the properties of base class

  3) Base class and derived class can inherit each other's properties simultaneously

  4) Inheritance relationship does not support inheriting properties.

User A would like to i...	0	Wrong Answer	Check Answer ⌄

User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

  1) insert into EMPLOYEE
  values (59694,'HARRIS', NULL);

✖ **2) insert into EMPLOYEE**
  values (59694,'HARRIS');

  3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
  values (59694,'HARRIS');

  4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);
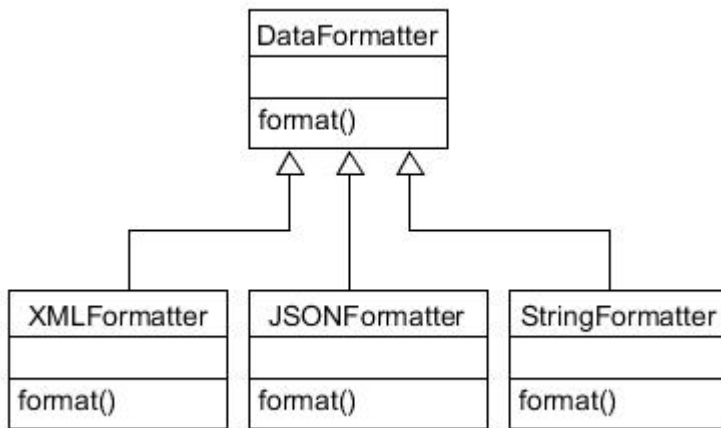
The class model of For...	1	Correct Answer	Check Answer ⌄

The class model of Formatter in the figure demonstrates which Object Oriented principle(s)

```
            ┌─────────────────┐
            │  DataFormatter  │
            ├─────────────────┤
            │                 │
            ├─────────────────┤
            │  format()       │
            └─────────────────┘
              △    △    △
     ┌────────┘    │    └────────┐
┌──────────────┐ ┌──────────────┐ ┌──────────────┐
│ XMLFormatter │ │ JSONFormatter│ │StringFormatter│
├──────────────┤ ├──────────────┤ ├──────────────┤
│              │ │              │ │              │
├──────────────┤ ├──────────────┤ ├──────────────┤
│ format()     │ │ format()     │ │ format()     │
└──────────────┘ └──────────────┘ └──────────────┘
```

    1) Method Overloading

    2) Data/Information hiding

✔   3) Method Overriding

    4) All of the above

___ is not a Transactio...   1   Correct Answer   Check Answer ⌄

___ is not a Transaction control language statement

✔   1) Revoke

    2) Rollback

    3) Commit

    4) Savepoint

What will be the outpu...   1   Correct Answer   Check Answer ⌄

**What will be the output of
select initcap(substr('Checklist',6)) from dual;**

    1) Check

✔   2) List

    3) L

    4) list

PROBLEMS	POINTS	ANSWERED CORRECTLY

Select the essential b...   0   **Wrong Answer**   Check Answer ⌄

Select the essential benefits given by Branching. (Choose most correct 2 options)

1) Helps automate test executions
✔ 2) Helps merge changes in teams and resolve conflicts
3) Helps work and push changes without impacting the teams involved
✖ 4) Ensure adherence to compliance regulations

You would like to disp...   0   **Wrong Answer**   Check Answer ⌄

You would like to display the system date in the format "Monday, 01 June, 2001". Which SELECT statement should you use?

✖ 1) SELECT TO_DATE(SYSDATE, 'DAY, DD Month, YYYY') FROM dual;
2) SELECT TO_CHAR(SYSDATE, 'DD, DY Month, 'YYYY') FROM dual;
3) SELECT TO_CHAR(SYSDATE, 'Day, DD Month, YYYY') FROM dual;
4) SELECT TO_CHAR(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;
5) SELECT TO_DATE(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

Database management sy...   1   **Correct Answer**   Check Answer ⌄

Database management systems are intended to

1) eliminate data redundancy
2) establish relationship among records in different files
3) manage file access
4) maintain data integrity
✔ 5) all of the above

State True or False:- ...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

State True or False:-

Git is less preferred for handling extremely large files or frequently changing binary files while SVN can handle multiple projects stored in the same repository.

    1) TRUE

✖   **2) FALSE**

Which SQL statement ac...   **1**   **Correct Answer**   Check Answer ⌄

Which SQL statement accepts user input for the columns to be displayed, the table name, and WHERE condition?

    1) SELECT &1, "&2"
    FROM &3
    WHERE last_name = '&4';

    2) SELECT &1, '&2'
    FROM &3
    WHERE '&last_name = '&4' ';

✔   **3) SELECT &1, &2**
    FROM &3
    WHERE last_name = '&4';

    4) SELECT &1, '&2'
    FROM EMP
    WHERE last_name = '&4';

Subquery can be used i...   **0**   **Wrong Answer**   Check Answer ⌄

Subquery can be used in
a. FROM clause of SELECT statement
b. WHERE clause of SELECT statement
c. GROUP BY clause of SELECT statement
d. SET clause of UPDATE statement
e. WHERE clause of DELETE statement
f. ORDER BY clause of SELECT statement

    1) a,b,d,e

✖   **2) a,b,c,e**

    3) a,b,c,d

    4) a,c,e,f

PROBLEMS	POINTS	ANSWERED CORRECTLY	
For protecting the cli...	1	Correct Answer	Check Answer ⌄

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

    1) Make all attributes public

✔   **2) Make all attributes private**

    3) Make all attributes protected

    4) Make all attributes default scope

Student registers for ...	1	Correct Answer	Check Answer ⌄

Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?

(A)   (B)   (C)

✔   **1) A**

    2) B

    3) C

    4) None of the above

Which statement descri...	1	Correct Answer	Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which statement describes a commit in Git?

      1) The changes to the project sources since inception

✔ **2) The changes to the project sources since the previous commit**

      3) A promise to make a change by a specified date

      4) A deadline for the merging of a Git branch

In DML statements, which type ...   1   **Correct Answer**   Check Answer ⌄

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

      1) Scalar Variables

✔ **2) Substitution variables**

      3) Bind variables

      4) Prompt variables

Which type of variable...   1   **Correct Answer**   Check Answer ⌄

Which type of variables are associated with class and not the object

      1) Private

      2) Protected

      3) Public
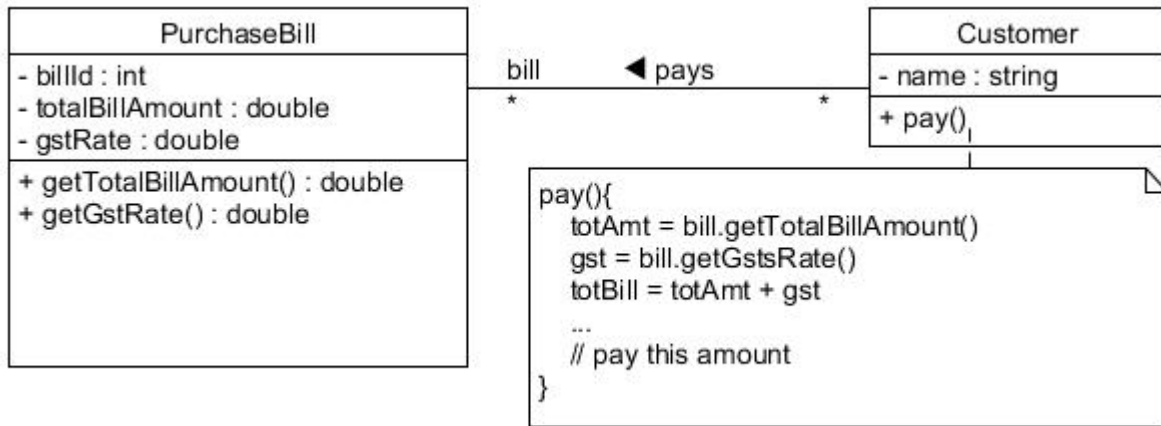
✔ **4) Static**

In this class model wh...   1   **Correct Answer**   Check Answer ⌄

In this class model which one of the following OO principles is clearly violated?

```
        PurchaseBill                          bill      ◄ pays              Customer
 - billId : int                               *                    *   - name : string
 - totalBillAmount : double                                            + pay()
 - gstRate : double
                                        pay(){
 + getTotalBillAmount() : double            totAmt = bill.getTotalBillAmount()
 + getGstRate() : double                    gst = bill.getGstsRate()
                                            totBill = totAmt + gst

                                            ...
                                            // pay this amount
                                        }
```

1) Abstraction

2) Data hiding

✔ **3) Encapsulation**

4) Economy of expression

In a real world, "Hous...   1   **Correct Answer**   Check Answer ⌄

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

1) Data hiding

2) Encapsulation

✔ **3) Abstraction**

4) Polymorphism

State True or False :-...   1   **Correct Answer**   Check Answer ⌄

State True or False :-
Git add command just adds files to staging area and doesn't actually commits.

✔ **1) TRUE**

2) FALSE

PROBLEMS	POINTS	ANSWERED CORRECTLY	
State True or False for follow...	1	Correct Answer	Check Answer ∨

State True or False for following statements:-
A] git reset permanently removes commits from repository.
B] git revert is to undo any commit message.
C] git checkout is to undo the committed changes.

    1) A] False
    B] False
    C] False

    2) A] True
    B] True
    C] True

✔   **3) A] True**
    B] True
    C] False

    4) A] False
    B] True
    C] True

    5) A] False
    B] False
    C] True

Go to course

 Persistent   🏠 🛒   PR   Prashant Rajput ▼

GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**   TOTAL SCORE : **66 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **33** / 50   Your Score : **66 %**   ▼

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which SQL statement ac...	1	**Correct Answer**	Check Answer ⌄

> **Which SQL statement accepts user input for the columns to be displayed, the table name, and WHERE condition?**
>
> **1) SELECT &1, "&2"**
> **FROM &3**
> **WHERE last_name = '&4';**
>
> **2) SELECT &1, '&2'**
> **FROM &3**
> **WHERE '&last_name = '&4' ';**
>
> ✔ **3) SELECT &1, &2**
> **FROM &3**
> **WHERE last_name = '&4';**
>
> **4) SELECT &1, '&2'**
> **FROM EMP**
> **WHERE last_name = '&4';**

Employee's joining dat...	0	**Wrong Answer**	Check Answer ⌄

Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

✖ **4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)**

5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

Which command creates ...	1	Correct Answer	Check Answer ⌄

Which command creates a local git repository?

1) git initrepo

✔ **2) git init**

3) git localrepo

4) git repo

If we are modelling cl...	1	Correct Answer	Check Answer ⌄

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

1) All these three classes are independent and have no relation with each other

2) Vehicle, Scooter and Car have cyclic composition with each other

✔ **3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.**

4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

---

Which DDL statement ca...	0	Wrong Answer	Check Answer ⌄

Which DDL statement can be used to remove rows from table t1?

✖ 1) DROP

2) DELETE ALL

3) TRUNCATE

4) REMOVE

5) Any of the above is fine

Benefits of adding a r...   1   Correct Answer   Check Answer ⌄

Benefits of adding a remote are:-

✔ 1) work collaboration

✔ 2) Data Back up

✔ 3) Central clearing house

4) Reduces development speed

'AS' clause is used in...   1   Correct Answer   Check Answer ⌄

'AS' clause is used in SQL for

1) Selection of data

2) Joining tables

✔ 3) assigning alternative name for a column

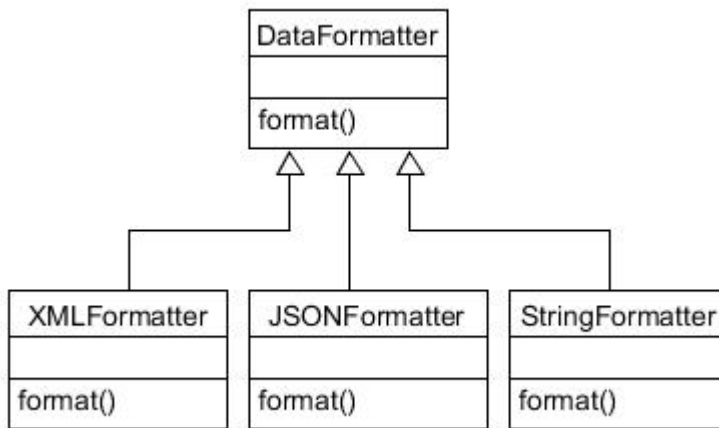4) Projection of data

The class model of For...   0   Wrong Answer   Check Answer ⌄

The class model of Formatter in the figure demonstrates which Object Oriented principle(s)

```
         ┌─────────────────┐
         │  DataFormatter  │
         ├─────────────────┤
         │                 │
         ├─────────────────┤
         │  format()       │
         └─────────────────┘
            △   △   △
```

XMLFormatter	JSONFormatter	StringFormatter
format()	format()	format()

✖   **1) Method Overloading**

2) Data/Information hiding

3) Method Overriding

4) All of the above

In DML statements, which type ...   1   **Correct Answer**   Check Answer ⌄

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

1) Scalar Variables

✔   **2) Substitution variables**

3) Bind variables

4) Prompt variables

For writing a robust c...   1   **Correct Answer**   Check Answer ⌄

For writing a robust code, which of the following guidelines need to be followed

1) All base class attributes need to be static

2) Only base class need to have private attributes

✔   **3) every attribute of class must be private. For information hiding**

4) The methods and attributes of all classes need to be private.

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which type of variable...   1   **Correct Answer**   Check Answer ⌄

Which type of variables are associated with class and not the object

    1) Private

    2) Protected

    3) Public

✔ **4) Static**

Which is not a valid differenc...   1   **Correct Answer**   Check Answer ⌄

Which is not a valid difference between DELETE and TRUNCATE?

    1) DELETE is a DML command
    TRUNCATE is a DDL command

    2) DELETE requires commit
    TRUNCATE does not require commit

✔ **3) DELETE can not be rolled back.**
    TRUNCATE can be rolled back.

    4) TRUNCATE is faster than DELETE

A primary key is combi...   1   **Correct Answer**   Check Answer ⌄

A primary key is combined with a foreign key creates

✔ **1) Parent-Child relationship between the tables that connect them.**

    2) Many to many relationship between the tables that connect them.

    3) Network model between the tables that connect them.

    4) None of these

Find below the structure of Em...   0   **Wrong Answer**   Check Answer ⌄

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

1) There is no row with dept_id 90 in the EMPLOYEES table.

2) User cannot delete the JOB_ID column because it is a NOT NULL column.

3) User cannot specify column names in the DELETE clause of the DELETE statement

✘   **4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.**

Mr. Natawarlal being b...   1   Correct Answer   Check Answer ⌄

Mr. Natawarlal being businessman has three Cars in his house,

His personal Car
His wife's Car
Company Car

Which of the following is the best way to model this description.

✔   **1) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are instances of class "Car"**

2) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are child classes of "Car" class.

3) "Businessman" class is associated with "PersonalCar", "WifesCar" and "CompanyCar" classes

4) All of the above fail to model it

Which command is used ...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which command is used to check last 5 commits by a particular author?

    1) git log n 5 author=<"pattern">

    2) git log -n 5 -author=<"pattern">

    3) git log --n 5 --author=<"pattern">

 ✔   4) git log -n 5 --author=<"pattern">

In ORACLE, Which of th...   0   **Wrong Answer**   Check Answer ⌄

In ORACLE, Which of the following statement is true in case of ORDER BY clause?

    1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.

 ✘   **2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.**

    3) Null values are displayed last in case of Ascending as well as Descending order.

    4) Null values are ignored while sorting the records.

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following statements describes Encapsulation best?

    1) Class must override all parent methods

 ✔   **2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.**

    3) Class should contain overloaded methods

    4) None of the above

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following statements is true?

    1) We can not overload a method in same class

 ✔   **2) We can not override a method in same class**

    3) Overloaded methods have exactly same method signature.

    4) None of the above statements is true

PROBLEMS	POINTS	ANSWERED CORRECTLY

What are the advantage...   1   Correct Answer   Check Answer ⌄

What are the advantages of using Git?

    1) Allows to create multiple revisions under a tag root

✔   **2) Data redundancy and replication**

✔   **3) Superior disk utilization and network performance**

✔   **4) Only one.git directory per repository**

__ is not a Transactio...   1   Correct Answer   Check Answer ⌄

__ is not a Transaction control language statement

✔   **1) Revoke**

    2) Rollback

    3) Commit

    4) Savepoint

Choose the correct seq...   1   Correct Answer   Check Answer ⌄

Choose the correct sequence of command from following to track a file. (Assume file is being tracked for first time)

    1) git init
git -am <message>
git commit <message>

✔   **2) git init
git add <filename.extension>
git commit -m <message>**

    3) git init
git commit -m <message>
git add <filename.extension>

    4) git init
git commit -am <message>

Which of the following...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which of the following is the incorrect statement about GIT?

    1) Only one.git directory per repository

    2) Superior disk utilization and network performance

✔ 3) Multiple developers can not checkout

    4) Data redundancy and replication

Which of the following...   1   Correct Answer   Check Answer ⌄

Which of the following command(s) can be used to integrate changes from one branch to another branch ?

    1) git stash

✔ 2) git rebase

    3) git reset

    4) git revert

Examine the description of the...   0   Wrong Answer   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

    1) MIN

    2) COUNT

✖ 3) AVG

✖ 4) SUM

    5) MAX

Polymorphism means   1   Correct Answer   Check Answer ⌄

Polymorphism means

      1) Ignoring unessential details

      2) Unique pair of Operation and implementation

      3) Multiple operations with same implementation

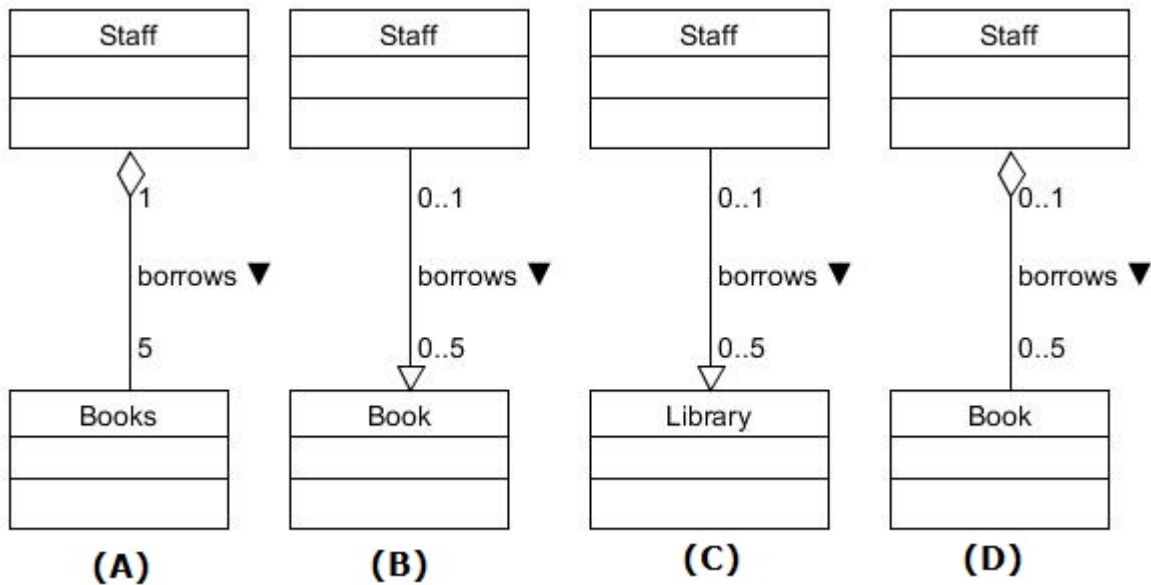✔   **4) an operation with different possible implementations**

A college staff can bo...   0   **Wrong Answer**   Check Answer ⌄

A college staff can borrow up to 5 books from library, which of the following models represent the case best?

      1) A

✖   **2) B**

      3) C

      4) D

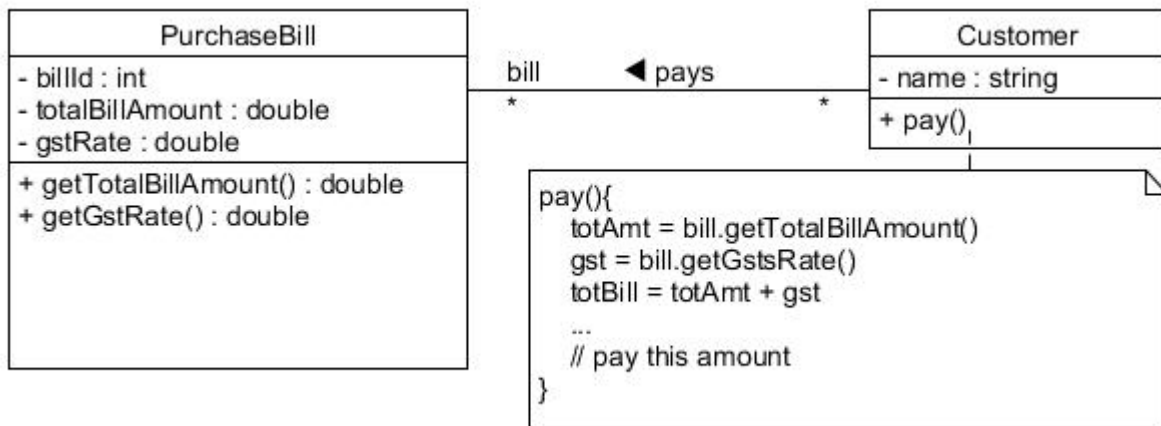In this class model wh...   1   **Correct Answer**   Check Answer ⌄

In this class model which one of the following OO principles is clearly violated?

```
         PurchaseBill                    bill      ◀ pays                  Customer
 - billId : int                          _____    - name : string
 - totalBillAmount : double                *                    *    + pay()
 - gstRate : double
 + getTotalBillAmount() : double       pay(){
 + getGstRate() : double                   totAmt = bill.getTotalBillAmount()
                                           gst = bill.getGstsRate()
                                           totBill = totAmt + gst

                                           ...
                                           // pay this amount
                                       }
```

1) Abstraction

2) Data hiding

✔ **3) Encapsulation**

4) Economy of expression

Match the following :-...   **1**   **Correct Answer**   **Check Answer** ∨

Match the following :-

A] git status A] Operates on committed history
B] git log B] Operates on staging area and repository
C] git diff --staged C] Inspects working directory and staging area

✔   1) A -> C
    B -> A
    C -> B

    2) A -> A
    B -> B
    C -> C

    3) A -> B
    B -> C
    C -> A

    4) A -> B
    B -> A
    C -> C

    5) A -> C
    B -> B
    C -> A

What is staging area or index ...   0   **Wrong Answer**   **Check Answer** ⌄

What is staging area or index in GIT?
select all matching/correct options.

    1) An intermediate area to format and review
✘   2) Area where merging takes place before pushing to remote
    3) Area which can act like cache to review
✘   4) Area where commits are stored

State True or False:- ...   0   **Wrong Answer**   **Check Answer** ⌄

State True or False:-

Merging means to take all your work from other branch to main branch.

✘   1) FALSE
    2) TRUE

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Database management sy...	1	Correct Answer	Check Answer ⌄

Database management systems are intended to

    1) eliminate data redundancy

    2) establish relationship among records in different files

    3) manage file access

    4) maintain data integrity

✔   **5) all of the above**

In a real world, "Hous...	0	Wrong Answer	Check Answer ⌄

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

✘   **1) Data hiding**

    2) Encapsulation

    3) Abstraction

    4) Polymorphism

By default, git stash ...	1	Correct Answer	Check Answer ⌄

By default, git stash pop will re-apply the most recently added stash.

✔   **1) TRUE**

    2) FALSE

Employee table contains the be...	1	Correct Answer	Check Answer ⌄

Employee table contains the below data
Employee_id salary department_id

1	10000	10
2	20000	20
3	35000	null

User executes the below query

select Employee_id, salary,department_id,
NVL2(department_id, salary+1000, salary+2000) "Updated salary"
from Employee;

What will be the value for "Updated salary" column for Employee id 3.

    1) 36000

    2) 35000

✔   3) 37000

    4) 21000

Specify some of the cr...   0   **Wrong Answer**   Check Answer ⌄

Specify some of the critical scenarios that can create merge conflicts. (Choose most correct 2 options)

    1) A developer edits a file and another developer deletes the edited file

    2) Different changes being made to multiple files

✔   3) Different changes being made on same line to the same file

✘   4) Different changes being made on diffrent line to the same file

---

What is the output of ...   1   **Correct Answer**   Check Answer ⌄

What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

    1) 1

    2) 8

✔   3) 2

    4) 6

PROBLEMS	POINTS	ANSWERED CORRECTLY	

What is the outcome of the que...   1   Correct Answer   Check Answer ⌄

What is the outcome of the query?

```
SELECT * FROM payments
Where amount=(SELECT MAX(amount)
              FROM payments)
AND sales_person_id in (SELECT sales_person_id
                        FROM salesman
                        Where office_code='PUNE')
```

   1) Details of lowest paying customer

   2) Details of highest paying customer

   3) Details of sales persons of Pune and their orders

✔ 4) **Details of the highest payment which is taken by a sales person whose office is Pune**

   5) Details of the highest payment by any customer from Pune

---

What is false for Synonym   0   Wrong Answer   Check Answer ⌄

What is false for Synonym

   1) Synonyms are always public

   2) Synonyms can be created for Java class schema object

✖ **3) Synonyms can be created for another synonym**

   4) To create public synonym you need CREATE PUBLIC SYNONYM system priviledge

---

What are valid constra...   1   Correct Answer   Check Answer ⌄

What are valid constraint types? (Choose Multiples)

✔ **1) NOT NULL**

✔ **2) UNIQUE**

   3) CANDIDATE KEY

✔ **4) PRIMARY KEY**

✔ **5) CHECK**

Following command is u...   0   Wrong Answer   Check Answer ⌄

Following command is used to:-

git checkout -b
<sha>

✖   1) Checkout to branch

2) Recover the deleted commit

3) Recover the deleted branch

4) Checkout to temporary deleted branch

The EMP table has thes...   **0**   **Wrong Answer**   Check Answer ⌄

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and
whose salary in the range of 60000 to 100000. Which SQL statement displays the
required results?

1) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
AND SALARY BETWEEN (60000,100000);

2) SELECT ENAME
FROM EMP
WHERE YYYY(HIRE_DATE) in ('2011','2012')
AND SALARY IN 60000 and 100000;

**3) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;**

4) SELECT ENAME
FROM EMP
WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

In UML how is class re...   **1**   **Correct Answer**   Check Answer ⌄

PROBLEMS	POINTS	ANSWERED CORRECTLY

In UML how is class represented?

  1) Rounded rectangle with 3 partitions

  2) Ellipse

✔ **3) Rectangle with 3 partitions**

  4) Dotted Rectangle with 3 partitions

Column in a table refe...	1	Correct Answer	Check Answer ⌄

Column in a table refers to _____ in Entity Relationship diagram.

  1) Entity

  2) Relation

✔ **3) Attribute**

  4) Touple

Select the appropriate...	1	Correct Answer	Check Answer ⌄

Select the appropriate basic workflow of Git from following.

  1) Stage
  Edit
  Review
  Commit

  2) Edit
  Commit
  Stage
  Review

✔ **3) Edit
  Stage
  Review
  Commit**

  4) Commit
  Edit
  Stage
  Review

Choose correct options from fo...	1	Correct Answer	Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Choose correct options from following while
Adding Remote repository helps us to :-
A] Sync up work with team.
B] Decreases development speed.
C] Central clearing house.
D] Keep a back up.

    1) A,B,D

    2) A,B,C

    3) A,B,C,D

✔   4) A,C,D

    5) B,C,D

For protecting the cli...   0   Wrong Answer   Check Answer ⌄

For protecting the client classes from changes in attributes and getting control over state
of the object, which one of the following strategies helps best?

    1) Make all attributes public

    2) Make all attributes private

✘   3) Make all attributes protected

    4) Make all attributes default scope

A person has many attr...   1   Correct Answer   Check Answer ⌄

A person has many attributes possible like (name, email, mobile number, weight, height,
eye color and so on ...). But while considering class Employee (i.e.)Person working for IT
company, model can ignore inessential attributes like weight, height, eye color etc.
Which one of the following principles is demonstrated here?

    1) method overloading

    2) Data hiding

✔   3) Abstraction

    4) None of the above

What will be the outpu...   0   Wrong Answer   Check Answer ⌄

What will be the output of
select initcap(substr('Checklist',6)) from dual;

✖   **1) Check**

2) List

3) L

4) list

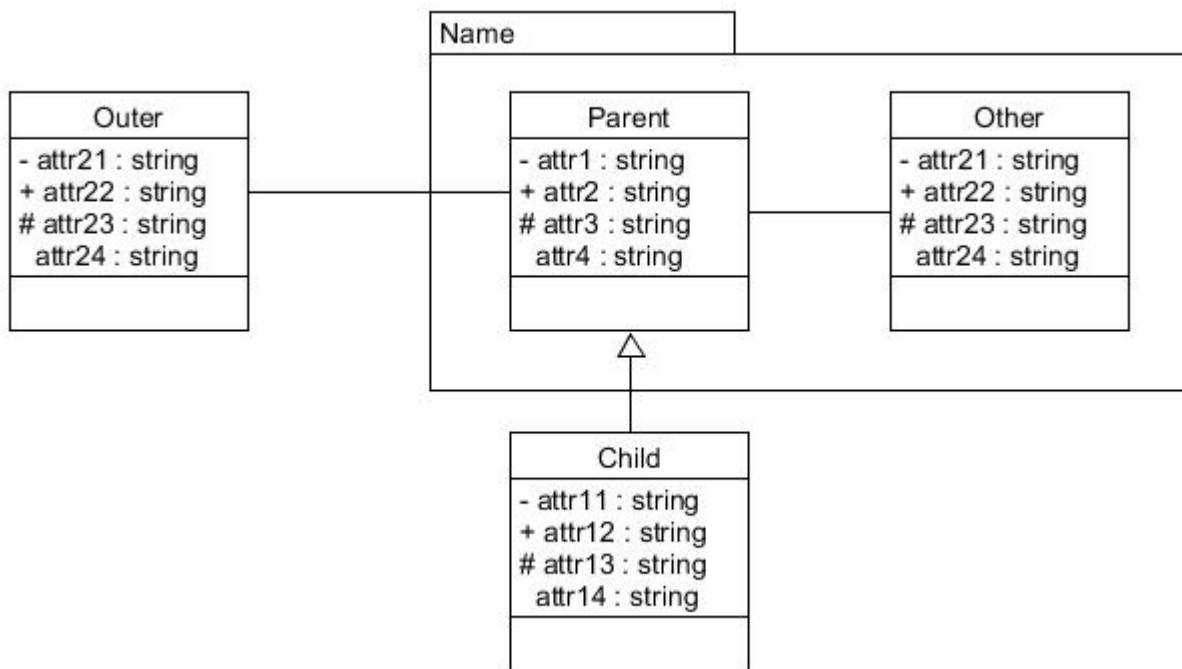In a given class model...   0   **Wrong Answer**   **Check Answer ∨**

In a given class model, which one of the following statement is true?

```
Name

Outer                    Parent                    Other
- attr21 : string        - attr1 : string          - attr21 : string
+ attr22 : string        + attr2 : string          + attr22 : string
# attr23 : string        # attr3 : string          # attr23 : string
  attr24 : string          attr4 : string            attr24 : string

                              △

                          Child
                          - attr11 : string
                          + attr12 : string
                          # attr13 : string
                            attr14 : string
```

✖   **1) Parent can access attr13**

2) Outer can access attr4

3) Child can access attr1

4) None of the above

Go to course

GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**

TOTAL SCORE : **58 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **29** / 50   Your Score : **58 %** ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which SQL statement ac...	1	**Correct Answer**	Check Answer ⌄

Which SQL statement accepts user input for the columns to be displayed, the table name, and WHERE condition?

  1) SELECT &1, "&2"
  FROM &3
  WHERE last_name = '&4';

  2) SELECT &1, '&2'
  FROM &3
  WHERE '&last_name = &4 ';

✔ **3) SELECT &1, &2**
  FROM &3
  WHERE last_name = '&4';

  4) SELECT &1, '&2'
  FROM EMP
  WHERE last_name = '&4';

| Which of the following... | 0 | **Wrong Answer** | Check Answer ⌄ |

Which of the following is the incorrect statement about GIT?

✖ **1) Only one.git directory per repository**

  2) Superior disk utilization and network performance

  3) Multiple developers can not checkout

  4) Data redundancy and replication

| if class "Department" ... | 1 | **Correct Answer** | Check Answer ⌄ |

if class "Department" contains, methods countProfessors() and countProfessors(criteria: int). Which OO principle it demonstrates

✔ **1) Method overloading**

2) Method overriding

3) Polymorphism

4) None of the above

In UML how is class re...   1   **Correct Answer**   Check Answer ⌄

In UML how is class represented?

1) Rounded rectangle with 3 partitions

2) Ellipse

✔ **3) Rectangle with 3 partitions**

4) Dotted Rectangle with 3 partitions

What are the advantage...   0   **Wrong Answer**   Check Answer ⌄

What are the advantages of using Git?

✖ **1) Allows to create multiple revisions under a tag root**

2) Data redundancy and replication

3) Superior disk utilization and network performance

✔ **4) Only one.git directory per repository**

Which is not a valid differenc...   1   **Correct Answer**   Check Answer ⌄

Which is not a valid difference between DELETE and TRUNCATE?

1) DELETE is a DML command
TRUNCATE is a DDL command

2) DELETE requires commit
TRUNCATE does not require commit

✔ **3) DELETE can not be rolled back.
TRUNCATE can be rolled back.**

4) TRUNCATE is faster than DELETE

To remove and discard ...   0   **Wrong Answer**   Check Answer ⌄

To remove and discard the changes from the last commit on your current branch, you should use:

1) git revert HEAD~1

2) git reset --hard HEAD~1

3) git reset --hard HEAD

4) git revert HEAD

5) git reset --soft HEAD

Specify some of the cr...	0	Wrong Answer	Check Answer ⌄

Specify some of the critical scenarios that can create merge conflicts. (Choose most correct 2 options)

1) A developer edits a file and another developer deletes the edited file

2) Different changes being made to multiple files

✔ 3) Different changes being made on same line to the same file

✘ 4) Different changes being made on diffrent line to the same file

A primary key is combi...	1	Correct Answer	Check Answer ⌄

A primary key is combined with a foreign key creates

✔ 1) Parent-Child relationship between the tables that connect them.

2) Many to many relationship between the tables that connect them.

3) Network model between the tables that connect them.

4) None of these

In DML statements, which type ...	1	Correct Answer	Check Answer ⌄

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

1) Scalar Variables

✔ 2) Substitution variables

3) Bind variables

4) Prompt variables

What happens when a branch fea...	0	Wrong Answer	Check Answer ⌄

What happens when a branch feature_x is merged (fast forword) into the master branch of a Git repo?

    1) All feature commits are merged into a single commit

    2) Commits on the feature branch since the point of divergence are replayed on master

    3) The feature branch is automatically deleted

✖   **4) A new commit is recorded on the master branch for the merge**

What will be the outpu...   **0**   **Wrong Answer**   Check Answer ∨

**What will be the output of
select initcap(substr('Checklist',6)) from dual;**

    1) Check

    2) List

    3) L

✖   **4) list**

Which one of the follo...   **1**   **Correct Answer**   Check Answer ∨

Which one of the following statements describes Encapsulation best?

    1) Class must override all parent methods

✔   **2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.**

    3) Class should contain overloaded methods

    4) None of the above

Employee table contains the be...   **1**   **Correct Answer**   Check Answer ∨

Employee table contains the below data
Employee_id salary department_id
---
1   10000   10
2   20000   20
3   35000   null

User executes the below query

select Employee_id, salary,department_id,
NVL2(department_id, salary+1000, salary+2000) "Updated salary"
from Employee;

What will be the value for "Updated salary" column for Employee id 3.

1) 36000

2) 35000

✔   3) 37000

4) 21000

A person has many attr...   1   Correct Answer   Check Answer ✔

A person has many attributes possible like (name, email, mobile number, weight, height, eye color and so on ...). But while considering class Employee (i.e.)Person working for IT company, model can ignore inessential attributes like weight, height, eye color etc. Which one of the following principles is demonstrated here?

1) method overloading

2) Data hiding

✔   3) Abstraction

4) None of the above

For protecting the cli...   1   Correct Answer   Check Answer ✔

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

1) Make all attributes public

✔   2) Make all attributes private

3) Make all attributes protected

4) Make all attributes default scope

Select the essential b...   1   Correct Answer   Check Answer ✔

Select the essential benefits given by Branching. (Choose most correct 2 options)

　　1) Helps automate test executions

✔ 　2) Helps merge changes in teams and resolve conflicts

✔ 　3) Helps work and push changes without impacting the teams involved

　　4) Ensure adherence to compliance regulations

Which command is used ... 　　　　1 　　　Correct Answer 　　　　Check Answer ⌄

Which command is used to check last 5 commits by a particular author?

　　1) git log n 5 author=<"pattern">

　　2) git log -n 5 -author=<"pattern">

　　3) git log --n 5 --author=<"pattern">

✔ 　4) git log -n 5 --author=<"pattern">

Which one of the follo... 　　　　0 　　　Wrong Answer 　　　　Check Answer ⌄

Which one of the following statements describes "Encapsulation"?

　　1) All the attributes and methods of every class need to be private.

　　2) All the attributes and operations of every class need to be public

✖ 　3) All the data for an application should be in one class and all the operations for application should be collected in another class. In general class should either contain attributes or operations but not both.

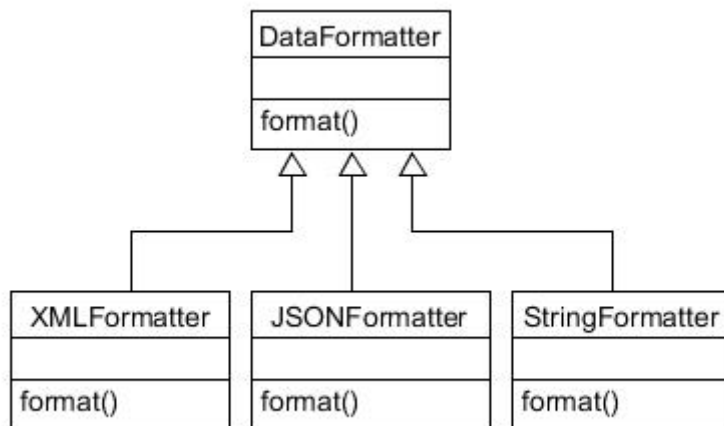　　4) The methods and the data (attributes) on which they operate needs to be kept together in one class.

The class model of For... 　　　　0 　　　Wrong Answer 　　　　Check Answer ⌄

The class model of Formatter in the figure demonstrates which Object Oriented principle(s)

    1) Method Overloading

✗   2) Data/Information hiding

    3) Method Overriding

    4) All of the above

Consider the below tab...   1   Correct Answer   Check Answer ✔

Consider the below table structure
Employees(Employee_id,Last_name,job_id,salary,commission_pct,Department_id)
Departments(department_id,department_name)

Which is the correct query to delete all the employees from Employees table who are in a department where the department name contains the string 'Public.'

    1) DELETE FROM employees
WHERE department_name LIKE '%Public%');

    2) DELETE FROM employees
WHERE department_id <>
(SELECT department_id
FROM departments
WHERE department_name LIKE "%Public%");

✔   3) DELETE FROM employees
WHERE department_id =
(SELECT department_id
FROM departments
WHERE department_name LIKE '%Public%');

    4) DELETE FROM employees,departments
WHERE employees.department_id =
departments.department_id
and department_name LIKE '%Public%'

PROBLEMS	POINTS	ANSWERED CORRECTLY	
What is false for Synonym	0	**Wrong Answer**	Check Answer ⌄

What is false for Synonym

    1) Synonyms are always public

✖   **2) Synonyms can be created for Java class schema object**

    3) Synonyms can be created for another synonym

    4) To create public synonym you need CREATE PUBLIC SYNONYM system priviledge

To delete remote branc...	0	**Wrong Answer**	Check Answer ⌄

To delete remote branch what is the command that is used?

    1) git push <remote_name> --delete <branch name>

    2) git delete

    3) git branch -a

✖   **4) git branch -d branchName**

Identify the tasks tha...	1	**Correct Answer**	Check Answer ⌄

Identify the tasks that can be performed to manage conflicts in Git. (Choose most correct 2 options)

    1) Deleting the identified conflicting resources

✔   **2) Identifying conflicting resources using git status**

    3) Creating copies of the identified conflicting resources

✔   **4) Editing the identified conflicting resources**

"IS-A" or "IS KIND OF"...	0	**Wrong Answer**	Check Answer ⌄

"IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

    1) Aggregation

    2) Composition

✖   **3) Association**

    4) Inheritance

Database management sy...	1	**Correct Answer**	Check Answer ⌄

Database management systems are intended to

    1) eliminate data redundancy

    2) establish relationship among records in different files

    3) manage file access

    4) maintain data integrity

✔   **5) all of the above**

Which type of variable...   1   Correct Answer   Check Answer ⌄

Which type of variables are associated with class and not the object

    1) Private

    2) Protected

    3) Public

✔   **4) Static**

You want to change the...   1   Correct Answer   Check Answer ⌄

You want to change the name of file1 to file2 in Git. What command accomplishes this?

    1) git ls file1 file2

    2) git rm file1 file2

✔   **3) git mv file1 file2**

    4) git rn file1 file2

Employee's joining dat...   1   Correct Answer   Check Answer ⌄

Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

    1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

    2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

✔   **3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)**

    4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)

    5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

Which one of the follo...   1   Correct Answer   Check Answer ∨

Which one of the following ways helps in data/ information hiding?

    1) making attributes of a class default

    2) making attributes of a class protected

✔   3) making attributes of a class private

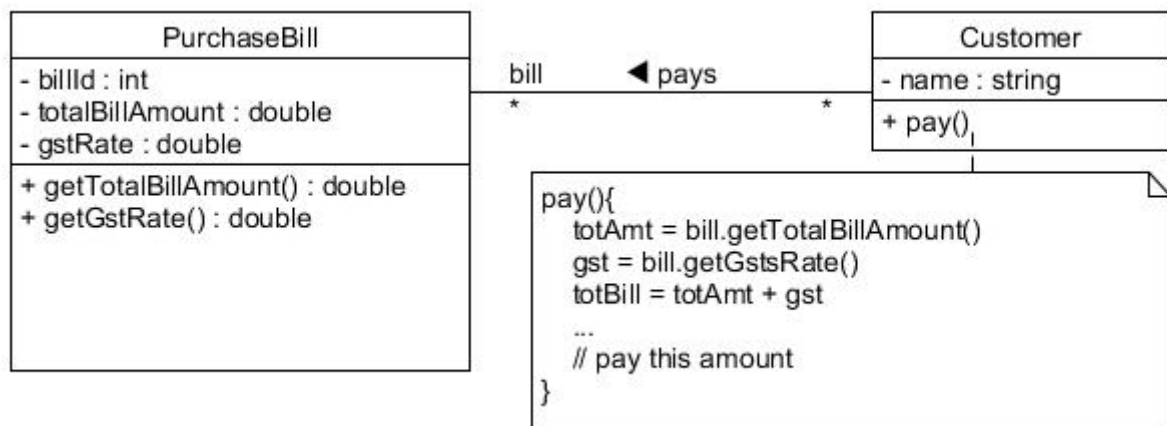   4) None of the above

In this class model wh...   0   Wrong Answer   Check Answer ∨

In this class model which one of the following OO principles is clearly violated?

PurchaseBill
- billId : int
- totalBillAmount : double
- gstRate : double
+ getTotalBillAmount() : double
+ getGstRate() : double

bill   ◀ pays

*

Customer
- name : string
+ pay()

```
pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...
    // pay this amount
}
```

✖   **1) Abstraction**

    2) Data hiding

    3) Encapsulation

    4) Economy of expression

Choose the correct seq...   1   Correct Answer   Check Answer ∨

Choose the correct sequence of command from following to track a file. (Assume file is being tracked for first time)

1) git init
git -am <message>
git commit <message>

✔ **2) git init**
git add <filename.extension>
git commit -m <message>

3) git init
git commit -m <message>
git add <filename.extension>

4) git init
git commit -am <message>

Following command is u...   0   Wrong Answer   Check Answer ⌄

Following command is used to:-

git checkout -b
<sha>

✖ 1) Checkout to branch

2) Recover the deleted commit

3) Recover the deleted branch

4) Checkout to temporary deleted branch

Benefits of adding a r...   0   Wrong Answer   Check Answer ⌄

Benefits of adding a remote are:-

✔ 1) work collaboration

✔ 2) Data Back up

✔ 3) Central clearing house

✖ 4) Reduces development speed

'AS' clause is used in...   1   Correct Answer   Check Answer ⌄

'AS' clause is used in SQL for

    1) Selection of data

    2) Joining tables

✔ **3) assigning alternative name for a column**

    4) Projection of data

_____ clause filte...   0   **Wrong Answer**   Check Answer ⌄

_____ clause filters the Summarized data.

    1) GROUP BY

✘ **2) FILTER**

    3) WHERE

    4) HAVING

    5) ORDER BY

SELECT ROUND(5.693893)...   1   **Correct Answer**   Check Answer ⌄

SELECT ROUND(5.693893) from dual;

    1) Returns 5

    2) Returns 0

✔ **3) Returns 6**

    4) Error thrown : Missing Where condition

    5) Error thrown : Missing FROM clause

Choose the correct opt...   1   **Correct Answer**   Check Answer ⌄

Choose the correct option to add one or more files to staging (index) area:

    1) git add *.*

    2) git add -all

    3) git -add .

✔ **4) git add .**

Which of the following...   1   **Correct Answer**   Check Answer ⌄

Which of the following is not the state(main sections) in Git?

    1) Working Directory

✔   **2) Commit Area**

    3) Staging Area

    4) Repository (Git directory)

Column in a table refe...	1	Correct Answer	Check Answer ˅

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

    2) Relation

✔   **3) Attribute**

    4) Touple

State TRUE or FALSE. O...	1	Correct Answer	Check Answer ˅

State TRUE or FALSE.
One table can contain only one Primary key but multiple foreign keys.

✔   **1) TRUE**

    2) FALSE

In ORACLE, Which of th...	0	Wrong Answer	Check Answer ˅

In ORACLE, Which of the following statement is true in case of ORDER BY clause?

    1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.

✖   **2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.**

    3) Null values are displayed last in case of Ascending as well as Descending order.

    4) Null values are ignored while sorting the records.

Which one of the follo...	0	Wrong Answer	Check Answer ˅

Which one of the following aspect is NOT covered in class model?

    1) Which are abstract classes

✖ 2) Which methods are overridden in child class

    3) Which class can invoke operation of which other class?

    4) When specific operation was invoked by other class

_ is not a Transactio...   1   **Correct Answer**   Check Answer ⌄

_ is not a Transaction control language statement

✔ 1) Revoke

    2) Rollback

    3) Commit

    4) Savepoint

Select the correct map...   1   **Correct Answer**   Check Answer ⌄

Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

    1) i, ii, vi

    2) i, ii, v, vi

✔ 3) i, iii, iv, vi

    4) i, iii, iv

For writing a robust c...   0   **Wrong Answer**   Check Answer ⌄

For writing a robust code, which of the following guidelines need to be followed

    1) All base class attributes need to be static

✖ 2) Only base class need to have private attributes

    3) every attribute of class must be private. For information hiding

    4) The methods and attributes of all classes need to be private.

User A would like to i...   1   **Correct Answer**   Check Answer ✔

User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

✔ **1) insert into EMPLOYEE**
   values (59694,'HARRIS', NULL);

   2) insert into EMPLOYEE
   values (59694,'HARRIS');

   3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
   values (59694,'HARRIS');

   4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

Student registers for ...   0   **Wrong Answer**   Check Answer ✔

Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?

1) A

2) B

✖ 3) C
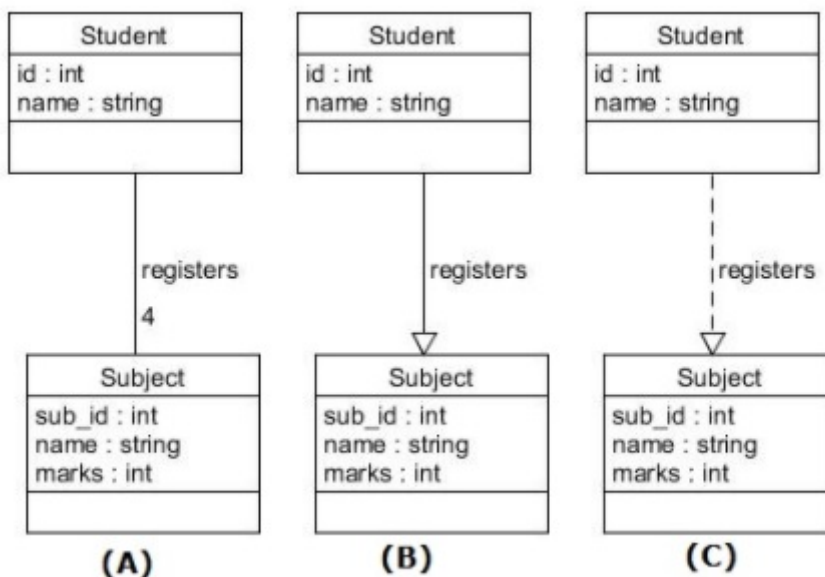
4) None of the above

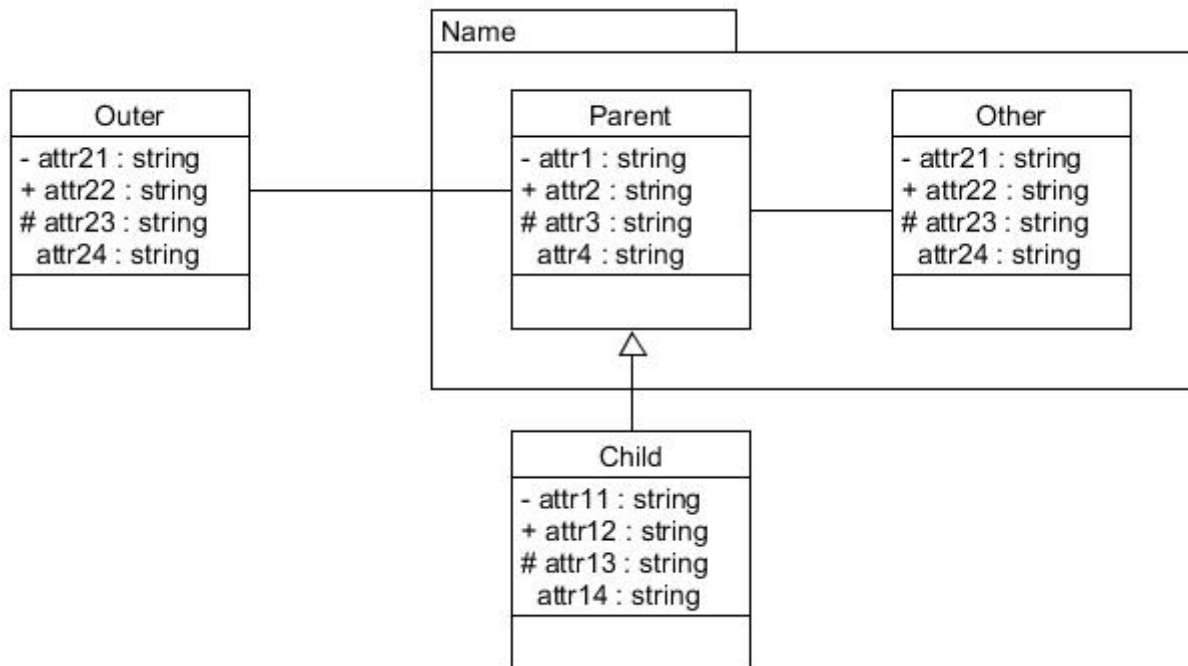In a given class model...   0   **Wrong Answer**   Check Answer ✔

In a given class model, which one of the following statement is true?

1) Parent can access attr13

2) Outer can access attr4

✗   3) Child can access attr1

4) None of the above

_____ and _____...   0   Wrong Answer   Check Answer ∨

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

✔   1) AND

✗   2) CONCAT

3) JOIN

✔   4) OR

Go to course

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GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**   TOTAL SCORE : **88 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **44** / 50   Your Score : **88 %** ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which of the following command...	1	Correct Answer	Check Answer ⌄

Which of the following commands can we use to create a branch in an existing repository?

   1) git create branch

✔   2) git branch <branch name>

   3) git init branch

✔   4) git checkout -b <branch name>

In a real world, "Hous...	1	Correct Answer	Check Answer ⌄

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

   1) Data hiding

   2) Encapsulation

✔   3) Abstraction

   4) Polymorphism

Select the correct option with...	1	Correct Answer	Check Answer ⌄

Select the correct option with regards to Staging Area?

   1) Marking a new file to make it ready to edit

   2) Marking a new file to remove from repository

   3) Committing a file to repository

✔   4) Marking a modified file in its current version to go into your next commit snapshot

User A would like to i...	1	Correct Answer	Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

✔   **1) insert into EMPLOYEE**
    values (59694,'HARRIS', NULL);

    2) insert into EMPLOYEE
    values (59694,'HARRIS');

    3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
    values (59694,'HARRIS');

    4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

SELECT ROUND(5.693893)...   1   Correct Answer   Check Answer ⌄

SELECT ROUND(5.693893) from dual;

    1) Returns 5

    2) Returns 0

✔   **3) Returns 6**

    4) Error thrown : Missing Where condition

    5) Error thrown : Missing FROM clause

Which is not a valid differenc...   1   Correct Answer   Check Answer ⌄

Which is not a valid difference between DELETE and TRUNCATE?

    1) DELETE is a DML command
    TRUNCATE is a DDL command

    2) DELETE requires commit
    TRUNCATE does not require commit

✔   **3) DELETE can not be rolled back.**
    TRUNCATE can be rolled back.

    4) TRUNCATE is faster than DELETE

For protecting the cli...   1   Correct Answer   Check Answer ⌄

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

    1) Make all attributes public

✔   **2) Make all attributes private**

    3) Make all attributes protected

    4) Make all attributes default scope

By default, git stash ...	1	**Correct Answer**	Check Answer ⌄

By default, git stash pop will re-apply the most recently added stash.

✔   **1) TRUE**

    2) FALSE

If the methods in clas...	1	**Correct Answer**	Check Answer ⌄

If the methods in class Admin are accessing the data of class Employee, which one of these OO principles is primarily violated?

    1) method overriding

    2) method overloading

    3) Abstraction

✔   **4) Encapsulation**

What are valid constra...	1	**Correct Answer**	Check Answer ⌄

What are valid constraint types? (Choose Multiples)

✔   **1) NOT NULL**

✔   **2) UNIQUE**

    3) CANDIDATE KEY

✔   **4) PRIMARY KEY**

✔   **5) CHECK**

In DML statements, which type ...	1	**Correct Answer**	Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

    1) Scalar Variables

✔   **2) Substitution variables**

    3) Bind variables

    4) Prompt variables

You would like to disp...   1   Correct Answer   Check Answer ⌄

You would like to display the system date in the format "Monday, 01 June, 2001". Which SELECT statement should you use?

    1) SELECT TO_DATE(SYSDATE, 'DAY, DD Month, YYYY') FROM dual;

    2) SELECT TO_CHAR(SYSDATE, 'DD, DY Month, 'YYYY') FROM dual;

✔   **3) SELECT TO_CHAR(SYSDATE, 'Day, DD Month, YYYY') FROM dual;**

    4) SELECT TO_CHAR(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

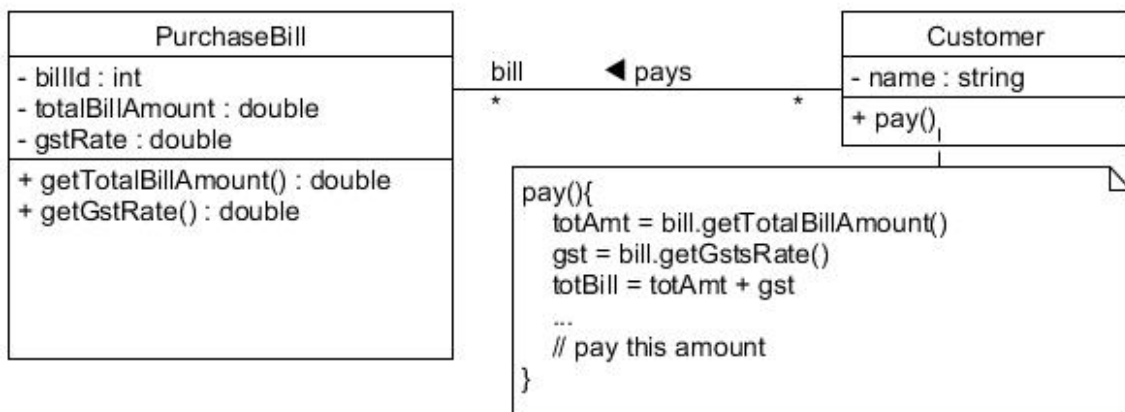   5) SELECT TO_DATE(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

In this class model wh...   1   Correct Answer   Check Answer ⌄

In this class model which one of the following OO principles is clearly violated?

PurchaseBill
- billId : int
- totalBillAmount : double
- gstRate : double
+ getTotalBillAmount() : double
+ getGstRate() : double

bill   ◄ pays

Customer
- name : string
+ pay()

```
pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...
    // pay this amount
}
```

    1) Abstraction

    2) Data hiding

✔   **3) Encapsulation**

    4) Economy of expression

State True or False for follow...   1   Correct Answer   Check Answer ⌄

State True or False for following statements:-
A] git reset permanently removes commits from repository.
B] git revert is to undo any commit message.
C] git checkout is to undo the committed changes.

    1) A] False
    B] False
    C] False

    2) A] True
    B] True
    C] True

✔   **3) A] True**
    B] True
    C] False

    4) A] False
    B] True
    C] True

    5) A] False
    B] False
    C] True

State True or False:- …   1   Correct Answer   Check Answer ⌄

State True or False:-

Merging means to take all your work from other branch to main branch.

    1) FALSE
✔   **2) TRUE**

Git defined as -   1   Correct Answer   Check Answer ⌄

Git defined as -

    1) Version control for single user

    2) Centralized Version Control

    3) Not a Directory Content Management System

✔   **4) Distributed Version Control**

State TRUE or FALSE. <…   1   Correct Answer   Check Answer ⌄

State TRUE or FALSE.
< ALL operator means less than minimum and > ALL operator means greater than Maximum.

✓ 1) TRUE

   2) FALSE

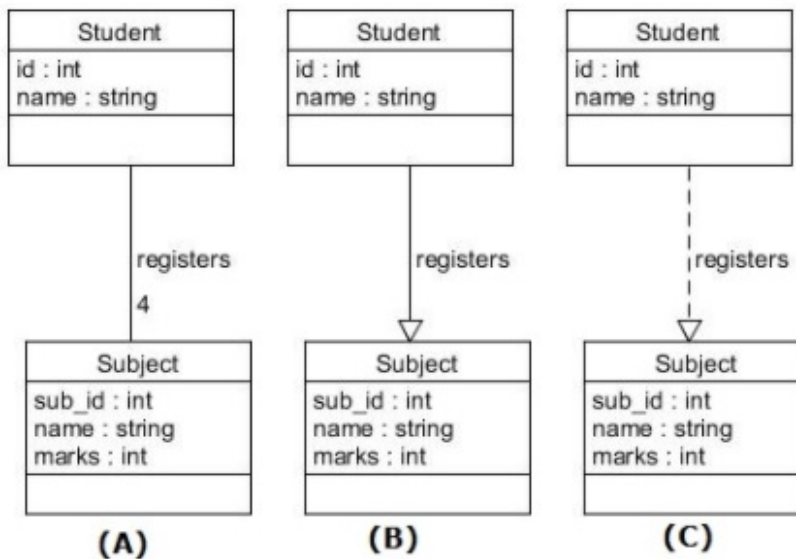Student registers for ...   1   Correct Answer   Check Answer ⌄

Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?

✓ 1) A

   2) B

   3) C

   4) None of the above

Select the correct statements ...   1   Correct Answer   Check Answer ⌄

Select the correct statements from following:-

   1) While pushing if new changes exists on remote, Git will still perform push operation

✓ 2) Pull is just a way to get up to date than using fetch

✓ 3) The pull command is combination of a fetch from the remote server and a merge of the changes

✓ 4) Good practice is to pull the changes first and then push on the remote

---

State True or false. S...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

State True or false.
Synonyms can be created for database objects owned by other users for which you have access.

✔   **1) TRUE**

    2) FALSE

State True or False fo...   0   **Wrong Answer**   Check Answer ⌄

State True or False for following Statements :-
A] Files or directory specified in .gitignore file are not tracked
B] .gitignore file is by default available in working directory
C] .gitignore file needs to be tracked

    1) A] False
    B] True
    C] False

    2) A] True
    B] False
    C] True

    3) A] True
    B] True
    C] True

    4) A] False
    B] False
    C] True

✖   **5) A] True**
    B] False
    C] False

In ORACLE, Which of th...   1   **Correct Answer**   Check Answer ⌄

In ORACLE, Which of the following statement is true in case of ORDER BY clause?

✔   **1) Null values are displayed last in case of Order by Ascending and at the start in case of Descending Order.**

    2) Null values are displayed last in case of Order by Descending and at the start in case of Ascending Order.

    3) Null values are displayed last in case of Ascending as well as Descending order.

    4) Null values are ignored while sorting the records.

Examine the description of the...   1   **Correct Answer**   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

✔   1) MIN

✔   2) COUNT

    3) AVG

    4) SUM

✔   5) MAX

In GIt, the user configuration...	1	Correct Answer	Check Answer ⌄

In GIt, the user configurations on OS level can be modified by using:

✔   1) git config --global

    2) git config --userdetails

    3) git config --user

    4) git config --system

What is a Branch in Git?	1	Correct Answer	Check Answer ⌄

What is a Branch in Git?

    1) It is just used to classify your work

✔   2) It is to create a new story line to give a try outs on new ideas or bug

    3) Branches are used to optimize your code

    4) Branches are very complex and heavy weight to deal with

__ is not a Transactio...	1	Correct Answer	Check Answer ⌄

__ is not a Transaction control language statement

✔   1) Revoke

    2) Rollback

    3) Commit

    4) Savepoint

PROBLEMS	POINTS	ANSWERED CORRECTLY

You want to display th...   0   **Wrong Answer**   Check Answer ⌄

You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date ASC;

✖ 3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;
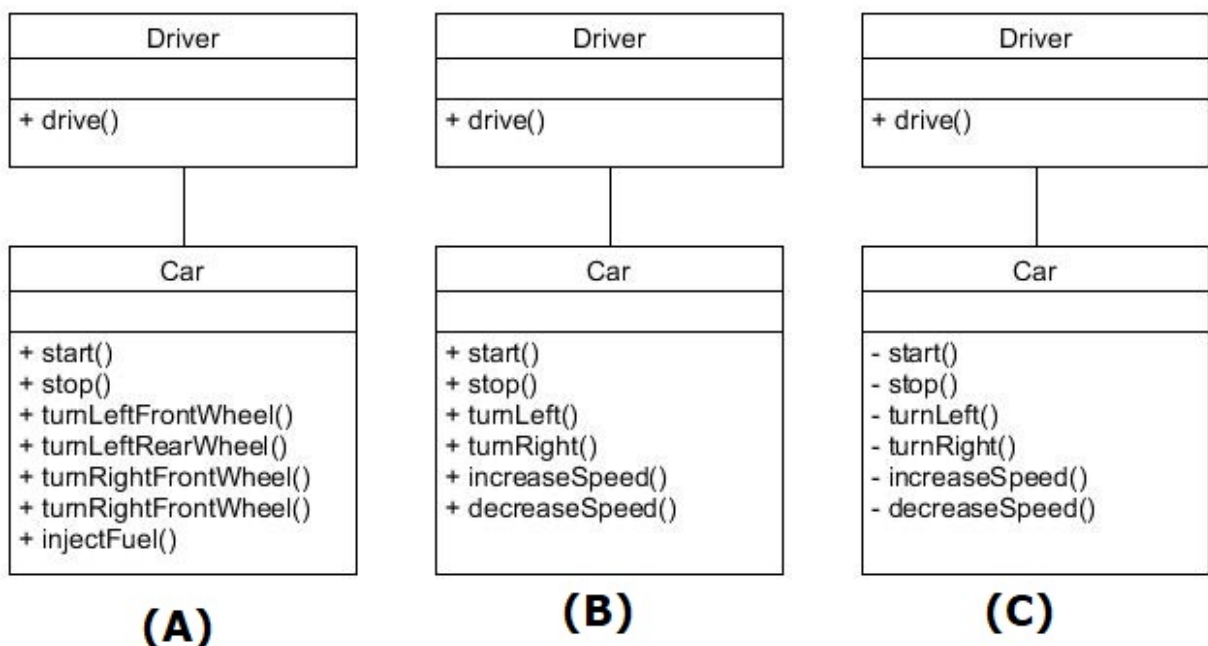
Which one of the class...   0   **Wrong Answer**   Check Answer ⌄

Which one of the class models in figure, represent good abstraction of a Car for driver?

1) A

2) B

✖ 3) C

4) None of the above

State True or False:- ...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

✖   1) TRUE

     2) FALSE

In UML how is class re...   1   Correct Answer   Check Answer ⌄

In UML how is class represented?

     1) Rounded rectangle with 3 partitions

     2) Ellipse

✔   3) Rectangle with 3 partitions

     4) Dotted Rectangle with 3 partitions

If we are modelling cl...   1   Correct Answer   Check Answer ⌄

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

     1) All these three classes are independent and have no relation with each other

     2) Vehicle, Scooter and Car have cyclic composition with each other

✔   3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.

     4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

Which of the following is fals...   1   Correct Answer   Check Answer ⌄

Which of the following is false :-
A] Almost every operation in git is local
B] Git is not so efficient with regards to other version control systems like SVN
C] Git can be used as central version control system
D] Git generates SHA key for every commit

✔   1) B,C

     2) A,B,C

     3) B,C,D

     4) A,D

For writing a robust c...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

For writing a robust code, which of the following guidelines need to be followed

    1) All base class attributes need to be static

    2) Only base class need to have private attributes

✔   **3) every attribute of class must be private. For information hiding**

    4) The methods and attributes of all classes need to be private.

What is the output of ...   1   **Correct Answer**   Check Answer ⌄

What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

    1) 1

    2) 8

✔   **3) 2**

    4) 6

Employee's joining dat...   0   **Wrong Answer**   Check Answer ⌄

Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

    1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

    2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

    3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

✖   **4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)**

    5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

What is staging area or index ...   0   **Wrong Answer**   Check Answer ⌄

What is staging area or index in GIT?
select all matching/correct options.

    1) An intermediate area to format and review

✖   **2) Area where merging takes place before pushing to remote**

✔   **3) Area which can act like cache to review**

    4) Area where commits are stored

PROBLEMS	POINTS	ANSWERED CORRECTLY	

A primary key is combi...　　1　　Correct Answer　　　　Check Answer ⌄

A primary key is combined with a foreign key creates

✔ **1) Parent-Child relationship between the tables that connect them.**

　2) Many to many relationship between the tables that connect them.

　3) Network model between the tables that connect them.

　4) None of these

Which one of the follo...　　1　　Correct Answer　　　　Check Answer ⌄

Which one of the following statements is true?

　　1) We can not overload a method in same class

✔ **2) We can not override a method in same class**

　　3) Overloaded methods have exactly same method signature.

　　4) None of the above statements is true

Select the correct map...　　1　　Correct Answer　　　　Check Answer ⌄

Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

　　1) i, ii, vi

　　2) i, ii, v, vi

✔ **3) i, iii, iv, vi**

　　4) i, iii, iv

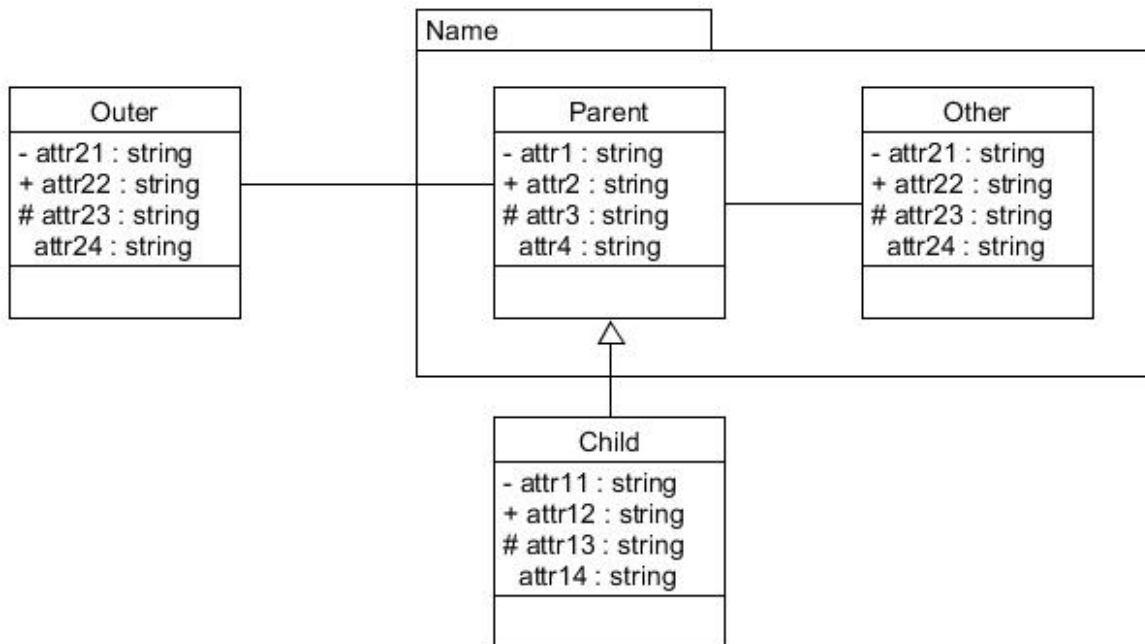**In a given class model...**　　1　　Correct Answer　　　　Check Answer ⌄

In a given class model, which one of the following statement is true?

1) Parent can access attr13

2) Outer can access attr4

3) Child can access attr1

✔   4) None of the above

Column in a table refe...   1   Correct Answer   Check Answer ⌄

Column in a table refers to _____ in Entity Relationship diagram.

1) Entity

2) Relation

✔   3) Attribute

4) Touple

Which command creates ...   1   Correct Answer   Check Answer ⌄

Which command creates a local git repository?

1) git initrepo

✔   2) git init

3) git localrepo

4) git repo

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Which type of variable...	1	Correct Answer	Check Answer ⌄

Which type of variables are associated with class and not the object

    1) Private

    2) Protected

    3) Public

✔   4) Static

'AS' clause is used in...	1	Correct Answer	Check Answer ⌄

'AS' clause is used in SQL for

    1) Selection of data

    2) Joining tables

✔   3) assigning alternative name for a column

    4) Projection of data

_____ and _____...	1	Correct Answer	Check Answer ⌄

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

✔   1) AND

    2) CONCAT

    3) JOIN

✔   4) OR

WHich of the following...	1	Correct Answer	Check Answer ⌄

WHich of the following activities represent Abstraction in Object Orientation?

    1) Identifying correct abstract class

    2) Creating class with all abstract methods

✔   3) Ignoring inessential details

    4) Convert concrete class in to pure abstract class

"IS-A" or "IS KIND OF"...	1	Correct Answer	Check Answer ⌄

"IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

1) Aggregation

2) Composition

3) Association

✔   **4) Inheritance**

Database management sy...   1   Correct Answer   Check Answer ⌄

Database management systems are intended to

1) eliminate data redundancy

2) establish relationship among records in different files

3) manage file access

4) maintain data integrity

✔   **5) all of the above**

Which one of the follo...   1   Correct Answer   Check Answer ⌄

Which one of the following statements describes Encapsulation best?

1) Class must override all parent methods

✔   **2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.**

3) Class should contain overloaded methods

4) None of the above

Choose correct options from fo...   1   Correct Answer   Check Answer ⌄

Choose correct options from following while
Adding Remote repository helps us to :-
A] Sync up work with team.
B] Decreases development speed.
C] Central clearing house.
D] Keep a back up.

1) A,B,D

2) A,B,C

3) A,B,C,D

✔   **4) A,C,D**

5) B,C,D

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GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**   TOTAL SCORE : **74 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **37** / 50   Your Score : **74 %**   ▾

PROBLEMS   POINTS ANSWERED CORRECTLY

To remove and discard ...   0   **Wrong Answer**   Check Answer ⌄

To remove and discard the changes from the last commit on your current branch, you should use:

    1) git revert HEAD~1

    2) git reset --hard HEAD~1

    3) git reset --hard HEAD

    4) git revert HEAD

✖   **5) git reset --soft HEAD**

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following aspect is NOT covered in class model?

    1) Which are abstract classes

    2) Which methods are overridden in child class

    3) Which class can invoke operation of which other class?

✔   **4) When specific operation was invoked by other class**
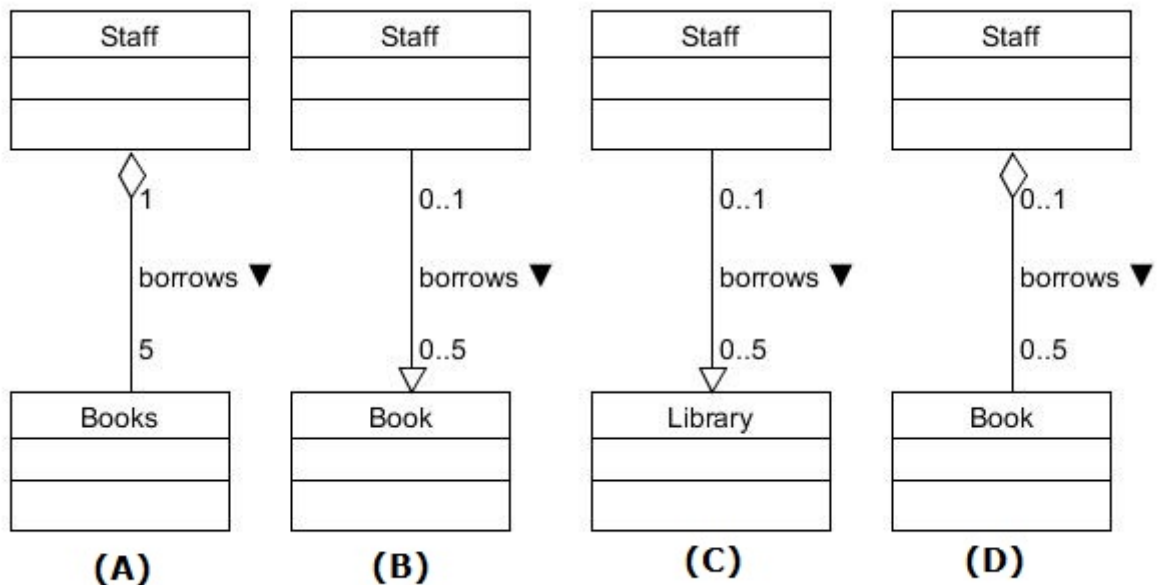
A college staff can bo...   0   **Wrong Answer**   Check Answer ⌄

A college staff can borrow up to 5 books from library, which of the following models represent the case best?

1) A

✖ 2) B

3) C

4) D

Select the correct statements ...   0   **Wrong Answer**   Check Answer ⌄

Select the correct statements from following:-

1) While pushing if new changes exists on remote, Git will still perform push operation

2) Pull is just a way to get up to date than using fetch

✔ **3) The pull command is combination of a fetch from the remote server and a merge of the changes**

✔ **4) Good practice is to pull the changes first and then push on the remote**

The EMP table has thes...   0   **Wrong Answer**   Check Answer ⌄

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and whose salary in the range of 60000 to 100000. Which SQL statement displays the required results?

1) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
AND SALARY BETWEEN (60000,100000);

2) SELECT ENAME
FROM EMP
WHERE YYYY(HIRE_DATE) in ('2011','2012')
AND SALARY IN 60000 and 100000;

3) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

✖   **4) SELECT ENAME**
FROM EMP
WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

What is Tag in git? se...   **1**   Correct Answer   Check Answer ⌄

What is Tag in git?
select appropriate options from following.

✔   **1) Tag is just like a label**

2) Tag is same like branch

3) Tag is to create different story line like thread

✔   **4) Tag is to mark a stable release points**

5) Tag helps to solve bug

Which one of the follo...   **1**   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Which one of the following statements is correct for Inheritance relationship?

    1) Base class inherits the properties of derived class

✓ **2) Derived class inherits the properties of base class**

    3) Base class and derived class can inherit each other's properties simultaneously

    4) Inheritance relationship does not support inheriting properties.

Which one of the follo...   0   Wrong Answer   Check Answer ⌄

Which one of the following relationship is mandatory for method overloading

✗ **1) Inheritance**

    2) Composition

    3) Aggregation

    4) None of the above

State True or False :-...   1   Correct Answer   Check Answer ⌄

State True or False :-
Git add command just adds files to staging area and doesn't actually commits.

✓ **1) TRUE**

    2) FALSE

What will be the outpu...   1   Correct Answer   Check Answer ⌄

What will be the output of
select initcap(substr('Checklist',6)) from dual;

    1) Check

✓ **2) List**

    3) L

    4) list

You want to display th...   1   Correct Answer   Check Answer ⌄

You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date ASC;

3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

✔ 4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;
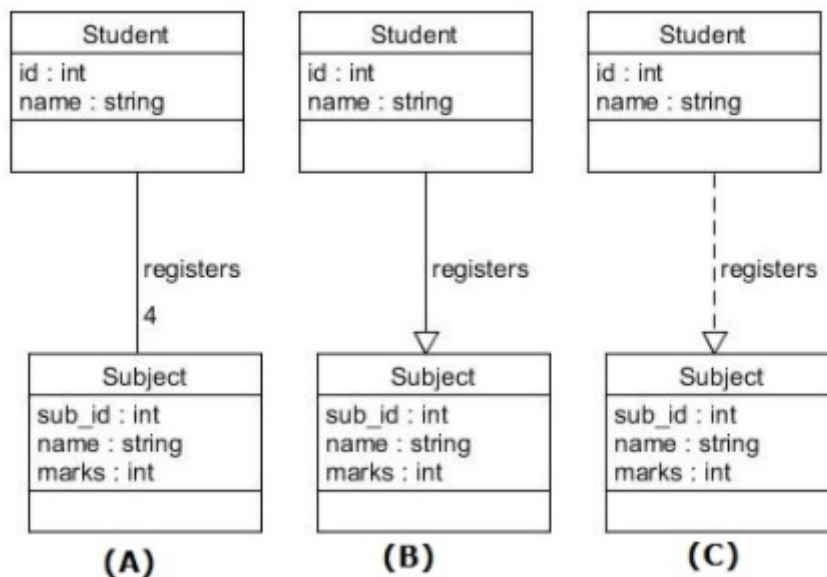
Student registers for ...	1	Correct Answer	Check Answer ⌄

Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?

✔ 1) A

2) B

3) C

4) None of the above

Which one of the follo...	1	Correct Answer	Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Which one of the following statements is true?

    1) We can not overload a method in same class

✔   **2) We can not override a method in same class**

    3) Overloaded methods have exactly same method signature.

    4) None of the above statements is true

"IS-A" or "IS KIND OF"...   1   **Correct Answer**   Check Answer ⌄

"IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

    1) Aggregation

    2) Composition

    3) Association

✔   **4) Inheritance**

Specify some of the cr...   1   **Correct Answer**   Check Answer ⌄

Specify some of the critical scenarios that can create merge conflicts. (Choose most correct 2 options)

✔   **1) A developer edits a file and another developer deletes the edited file**

    2) Different changes being made to multiple files

✔   **3) Different changes being made on same line to the same file**

    4) Different changes being made on diffrent line to the same file

---

Identify the tasks tha...   1   **Correct Answer**   Check Answer ⌄

Identify the tasks that can be performed to manage conflicts in Git. (Choose most correct 2 options)

    1) Deleting the identified conflicting resources

✔   **2) Identifying conflicting resources using git status**

    3) Creating copies of the identified conflicting resources

✔   **4) Editing the identified conflicting resources**

State True or False:- ...   1   **Correct Answer**   Check Answer ⌄

State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

    1) TRUE

✔   **2) FALSE**

Match the following :-...   1   **Correct Answer**   **Check Answer** ⌄

Match the following :-

A] git status A] Operates on committed history
B] git log B] Operates on staging area and repository
C] git diff --staged C] Inspects working directory and staging area

✔   **1) A -> C**
    B -> A
    C -> B

    2) A -> A
    B -> B
    C -> C

    3) A -> B
    B -> C
    C -> A

    4) A -> B
    B -> A
    C -> C

    5) A -> C
    B -> B
    C -> A

Choose the correct seq...   1   **Correct Answer**   **Check Answer** ⌄

Choose the correct sequence of command from following to track a file. (Assume file is being tracked for first time)

    1) git init
git -am <message>
git commit <message>

✔ **2) git init**
git add <filename.extension>
git commit -m <message>

    3) git init
git commit -m <message>
git add <filename.extension>

    4) git init
git commit -am <message>

In UML how is class re...   **1**   **Correct Answer**   Check Answer ⌄

In UML how is class represented?

    1) Rounded rectangle with 3 partitions

    2) Ellipse

✔ **3) Rectangle with 3 partitions**

    4) Dotted Rectangle with 3 partitions

WHich of the following...   **1**   **Correct Answer**   Check Answer ⌄

WHich of the following activities represent Abstraction in Object Orientation?

    1) Identifying correct abstract class

    2) Creating class with all abstract methods

✔ **3) Ignoring inessential details**

    4) Convert concrete class in to pure abstract class

What are valid constra...   **1**   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

What are valid constraint types? (Choose Multiples)

✓ 1) NOT NULL

✓ 2) UNIQUE

    3) CANDIDATE KEY

✓ 4) PRIMARY KEY

✓ 5) CHECK

What is staging area or index ...   1   Correct Answer   Check Answer ⌄

What is staging area or index in GIT?
select all matching/correct options.

✓ 1) An intermediate area to format and review

    2) Area where merging takes place before pushing to remote

✓ 3) Area which can act like cache to review

    4) Area where commits are stored

Find below the structure of Em...   1   Correct Answer   Check Answer ⌄

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

    1) There is no row with dept_id 90 in the EMPLOYEES table.

    2) User cannot delete the JOB_ID column because it is a NOT NULL column.

✓ 3) User cannot specify column names in the DELETE clause of the DELETE statement

    4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.

Mr. Natawarlal being b...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Mr. Natawarlal being businessman has three Cars in his house,

His personal Car
His wife's Car
Company Car

Which of the following is the best way to model this description.

✔   **1) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are instances of class "Car"**

   2) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are child classes of "Car" class.

   3) "Businessman" class is associated with "PersonalCar", "WifesCar" and "CompanyCar" classes

   4) All of the above fail to model it

Which query should be ...   **1**   **Correct Answer**   Check Answer ⌄

Which query should be used to find all the courses taught in both the 'Fall 2013' semester and in the 'Spring 2014' semester .

   1) Select distinct courseid
from section
where semester = 'Fall' and year= 2013 and
courseid not in (select courseid
from section
where semester = 'Spring' and year= 2014);

   2) Select distinct courseid
from section
where semester in ('Fall', 'Spring') and year in (2013,2014);

✔   **3) Select distinct courseid**
from section
where semester = 'Fall' and year= 2013 and
courseid in (select courseid
from section
where semester = 'Spring' and year= 2014);

   4) Select distinct courseid
from section
where semester in ('Fall', 'Spring') or year in (2013,2014);

   5) None of the above

Which all are the corr...   **0**   **Wrong Answer**   Check Answer ⌄

Which all are the correct statements with regards to branching in git?
A] Branching is used for code optimization.
B] Branching helps to solve a bug.
C] Branching is to try out new feature.

✖   **1) A] True**
     B] True
     C] True

     2) A] False
     B] False
     C] False

     3) A] True
     B] False
     C] False

✔   **4) A] False**
     B] True
     C] True

     5) A] True
     B] False
     C] True

Git defined as -   **1**   **Correct Answer**   Check Answer ⌄

Git defined as -

     1) Version control for single user

     2) Centralized Version Control

     3) Not a Directory Content Management System

✔   **4) Distributed Version Control**

Consider the below tab...   **1**   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Consider the below table structure
Employees(Employee_id,Last_name,job_id,salary,commission_pct,Department_id)
Departments(department_id,department_name)

Which is the correct query to delete all the employees from Employees table who are in a
department where the department name contains the string 'Public.'

1) DELETE FROM employees
WHERE department_name LIKE '%Public%');

2) DELETE FROM employees
WHERE department_id <>
(SELECT department_id
FROM departments
WHERE department_name LIKE "%Public%");

✔ 3) DELETE FROM employees
WHERE department_id =
(SELECT department_id
FROM departments
WHERE department_name LIKE '%Public%');

4) DELETE FROM employees,departments
WHERE employees.department_id =
departments.department_id
and department_name LIKE '%Public%'

'WITH CHECK OPTION' in...   1   Correct Answer   Check Answer ⌄

'WITH CHECK OPTION' in CREATE VIEW statement is used to _____ .

1) check how many values the Oracle server preallocates and keep in memory

2) ensure that no DML operations can be performed on this view.

3) ensure that values should be checked for default value in base table.

✔ 4) specify that only rows accessible to the view can be inserted or updated.

For protecting the cli...   1   Correct Answer   Check Answer ⌄

For protecting the client classes from changes in attributes and getting control over state
of the object, which one of the following strategies helps best?

1) Make all attributes public

✔ 2) Make all attributes private

3) Make all attributes protected

4) Make all attributes default scope

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which of the following are cor...   0   **Wrong Answer**   Check Answer ⌄

Which of the following are correct basic steps to work with Git Remote?

❌   **1) Setup a GitHub Account**
     Create Repository
     Copy Remote(Clone)
     Add Remote
     Check Changes in Remote(Fetch)
     Merge in Fetched Changes(Merge)
     Push Changes to Remote(Push)

     2) Create Repository
     Setup a GitHub Account
     Copy Remote(Clone)
     Add Remote
     Push Changes to Remote(Push)
     Merge in Fetched Changes(Merge)
     Check Changes in Remote(Fetch)

     3) Setup a GitHub Account
     Create Repository
     Copy Remote(Clone)
     Add Remote
     Check Changes in Remote(Fetch)
     Push Changes to Remote(Push)
     Merge in Fetched Changes(Merge)

     4) Setup a GitHub Account
     Create Repository
     Add Remote
     Push Changes to Remote(Push)
     Check Changes in Remote(Fetch)
     Merge in Fetched Changes(Merge)

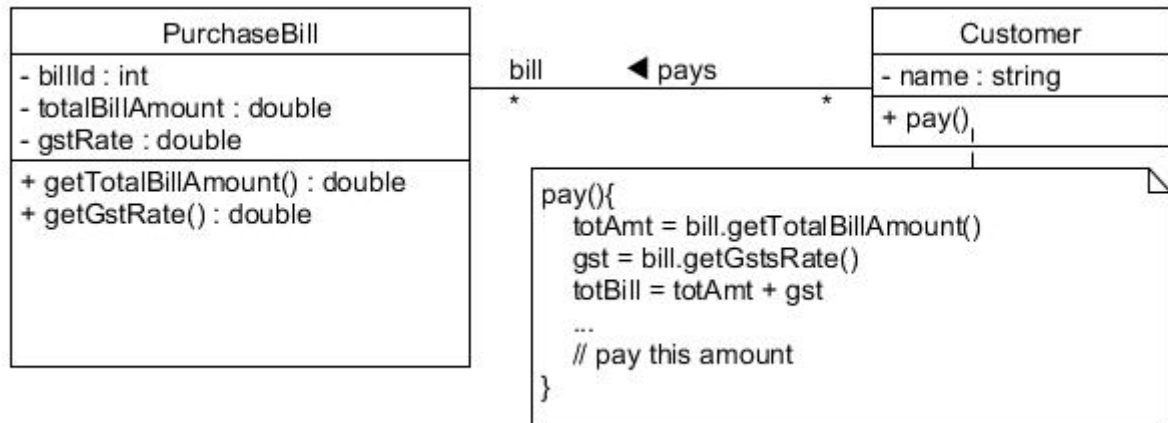In this class model wh...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

In this class model which one of the following OO principles is clearly violated?

1) **Abstraction**

2) **Data hiding**

✔ 3) **Encapsulation**

4) **Economy of expression**

A primary key is combi...   0   **Wrong Answer**   Check Answer ⌄

A primary key is combined with a foreign key creates

1) **Parent-Child relationship between the tables that connect them.**

✖ 2) **Many to many relationship between the tables that connect them.**

3) **Network model between the tables that connect them.**

4) **None of these**

Employee table contains the be...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Employee table contains the below data
Employee_id salary department_id
----
1   10000   10
2   20000   20
3   35000   null

User executes the below query

select Employee_id, salary,department_id,
NVL2(department_id, salary+1000, salary+2000) "Updated salary"
from Employee;

What will be the value for "Updated salary" column for Employee id 3.

　　1) 36000

　　2) 35000

✔　**3) 37000**

　　4) 21000

What is the output of ...   1   Correct Answer   Check Answer ⌄

What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

　　1) 1

　　2) 8

✔　**3) 2**

　　4) 6

For writing a robust c...   0   Wrong Answer   Check Answer ⌄

For writing a robust code, which of the following guidelines need to be followed

✖　**1) All base class attributes need to be static**

　　2) Only base class need to have private attributes

　　3) every attribute of class must be private. For information hiding

　　4) The methods and attributes of all classes need to be private.

Database management sy...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Database management systems are intended to

    1) eliminate data redundancy

    2) establish relationship among records in different files

    3) manage file access

    4) maintain data integrity

✔   5) all of the above

__ is not a Transactio...   1   **Correct Answer**   Check Answer ⌄

__ is not a Transaction control language statement

✔   1) Revoke

    2) Rollback

    3) Commit

    4) Savepoint

State True or False:- ...   1   **Correct Answer**   Check Answer ⌄

State True or False:-

Git is less preferred for handling extremely large files or frequently changing binary files while SVN can handle multiple projects stored in the same repository.

✔   1) TRUE

    2) FALSE

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following relationship is essential for run time polymorphism?

✔   1) Inheritance

    2) Composition

    3) Aggregation

    4) None of the above

Which SQL statement ac...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Which SQL statement accepts user input for the columns to be displayed, the table name, and WHERE condition?

✖   **1) SELECT &1, "&2"**
     FROM &3
     WHERE last_name = '&4';

     2) SELECT &1, '&2'
     FROM &3
     WHERE '&last_name = '&4' ';

     3) SELECT &1, &2
     FROM &3
     WHERE last_name = '&4';

     4) SELECT &1, '&2'
     FROM EMP
     WHERE last_name = '&4';

Which DDL statement ca...   0   **Wrong Answer**   Check Answer ⌄

Which DDL statement can be used to remove rows from table t1?

✖   **1) DROP**

     2) DELETE ALL

     3) TRUNCATE

     4) REMOVE

     5) Any of the above is fine

Which type of variable...   1   **Correct Answer**   Check Answer ⌄

Which type of variables are associated with class and not the object

     1) Private

     2) Protected

     3) Public

✔   **4) Static**

User A would like to i...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?

✔ **1) insert into EMPLOYEE**
values (59694,'HARRIS', NULL);

2) insert into EMPLOYEE
values (59694,'HARRIS');

3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
values (59694,'HARRIS');

4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

Examine the description of the...   1   **Correct Answer**   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

✔ **1) MIN**

✔ **2) COUNT**

3) AVG

4) SUM

✔ **5) MAX**

In GIt, the user configuration...   0   **Wrong Answer**   Check Answer ⌄

In GIt, the user configurations on OS level can be modified by using:

1) git config --global

2) git config --userdetails

3) git config --user

✖ **4) git config --system**

In DML statements, which type ...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

    1) Scalar Variables

    2) Substitution variables

    3) Bind variables

✖ **4) Prompt variables**

'AS' clause is used in...   **1**   Correct Answer   Check Answer ⌄

'AS' clause is used in SQL for

    1) Selection of data

    2) Joining tables

✔ **3) assigning alternative name for a column**

    4) Projection of data

Column in a table refe...   **1**   Correct Answer   Check Answer ⌄

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

    2) Relation

✔ **3) Attribute**

    4) Touple

Go to course

Persistent

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GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**

TOTAL SCORE : **60 %**

Congrats !!! You have successfully completed the session :) ...

Quiz   Answered Questions : **30** / 50   Your Score : **60 %** ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
What is false for Synonym	0	**Wrong Answer**	Check Answer ⌄

What is false for Synonym

1) Synonyms are always public

2) Synonyms can be created for Java class schema object

✖ **3) Synonyms can be created for another synonym**

4) To create public synonym you need CREATE PUBLIC SYNONYM system priviledge

A person has many attr...	0	**Wrong Answer**	Check Answer ⌄

A person has many attributes possible like (name, email, mobile number, weight, height, eye color and so on ...). But while considering class Employee (i.e.)Person working for IT company, model can ignore inessential attributes like weight, height, eye color etc. Which one of the following principles is demonstrated here?

✖ **1) method overloading**

2) Data hiding

3) Abstraction

4) None of the above

Column in a table refe...	0	**Wrong Answer**	Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

✖ 2) Relation

    3) Attribute

    4) Touple

You want to change the...   0   Wrong Answer   Check Answer ⌄

You want to change the name of file1 to file2 in Git. What command accomplishes this?

    1) git ls file1 file2

    2) git rm file1 file2

    3) git mv file1 file2

✖ 4) git rn file1 file2

Find below the structure of Em...   1   Correct Answer   Check Answer ⌄

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column. Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

    1) There is no row with dept_id 90 in the EMPLOYEES table.

    2) User cannot delete the JOB_ID column because it is a NOT NULL column.

✔ 3) User cannot specify column names in the DELETE clause of the DELETE statement

    4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.

You want to display th...   0   Wrong Answer   Check Answer ⌄

You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date ASC;

✖   3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date < '21-JAN-2001' ORDER BY purchase_date DESC;

| State TRUE or FALSE. <... | 1 | Correct Answer | Check Answer ∨ |

State TRUE or FALSE.
< ALL operator means less than minimum and > ALL operator means greater than Maximum.

✔   1) TRUE

2) FALSE

| Which of the following are cor... | 0 | Wrong Answer | Check Answer ∨ |

Which of the following are correct basic steps to work with Git Remote?

✖   **1) Setup a GitHub Account**
Create Repository
Copy Remote(Clone)
Add Remote
Check Changes in Remote(Fetch)
Merge in Fetched Changes(Merge)
Push Changes to Remote(Push)

2) Create Repository
Setup a GitHub Account
Copy Remote(Clone)
Add Remote
Push Changes to Remote(Push)
Merge in Fetched Changes(Merge)
Check Changes in Remote(Fetch)

3) Setup a GitHub Account
Create Repository
Copy Remote(Clone)
Add Remote
Check Changes in Remote(Fetch)
Push Changes to Remote(Push)
Merge in Fetched Changes(Merge)

4) Setup a GitHub Account
Create Repository
Add Remote
Push Changes to Remote(Push)
Check Changes in Remote(Fetch)
Merge in Fetched Changes(Merge)

Select the appropriate...   1   Correct Answer   Check Answer ⌄

Select the appropriate basic workflow of Git from following.

> **1) Stage**
> **Edit**
> **Review**
> **Commit**
>
> **2) Edit**
> **Commit**
> **Stage**
> **Review**
>
> ✔ **3) Edit**
> **Stage**
> **Review**
> **Commit**
>
> **4) Commit**
> **Edit**
> **Stage**
> **Review**

| What is a Branch in Git? | 0 | Wrong Answer | Check Answer ⌄ |

What is a Branch in Git?

✖ **1) It is just used to classify your work**

2) It is to create a new story line to give a try outs on new ideas or bug

3) Branches are used to optimize your code

4) Branches are very complex and heavy weight to deal with

| If we are modelling cl... | 1 | Correct Answer | Check Answer ⌄ |

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

1) All these three classes are independent and have no relation with each other

2) Vehicle, Scooter and Car have cyclic composition with each other

✔ **3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.**

4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Following command is u...	0	**Wrong Answer**	Check Answer ⌄

Following command is used to:-

**git checkout -b
<sha>**

✖ **1) Checkout to branch**

    2) Recover the deleted commit

    3) Recover the deleted branch

    4) Checkout to temporary deleted branch

In UML how is class re...	1	**Correct Answer**	Check Answer ⌄

In UML how is class represented?

    1) Rounded rectangle with 3 partitions

    2) Ellipse

✔ **3) Rectangle with 3 partitions**

    4) Dotted Rectangle with 3 partitions

State True or False:- ...	1	**Correct Answer**	Check Answer ⌄

State True or False:- If you want to preserve the complete history of your project and avoid the risk of re-writing public commits, we must use git rebase instead of git merge.

    1) TRUE

✔ **2) FALSE**

For writing a robust c...	1	**Correct Answer**	Check Answer ⌄

For writing a robust code, which of the following guidelines need to be followed

1) All base class attributes need to be static

2) Only base class need to have private attributes

✔ **3) every attribute of class must be private. For information hiding**

4) The methods and attributes of all classes need to be private.

The EMP table has thes...	0	Wrong Answer	Check Answer ⌄

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and whose salary in the range of 60000 to 100000. Which SQL statement displays the required results?

1) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
AND SALARY BETWEEN (60000,100000);

2) SELECT ENAME
FROM EMP
WHERE YYYY(HIRE_DATE) in ('2011','2012')
AND SALARY IN 60000 and 100000;

3) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

✖ **4) SELECT ENAME**
FROM EMP
WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

State True or False:- ...	1	Correct Answer	Check Answer ⌄

State True or False:-

Merging means to take all your work from other branch to main branch.

     1) FALSE

✔   2) TRUE

Examine the description of the...	1	Correct Answer	Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

✔   1) MIN

✔   2) COUNT

     3) AVG

     4) SUM

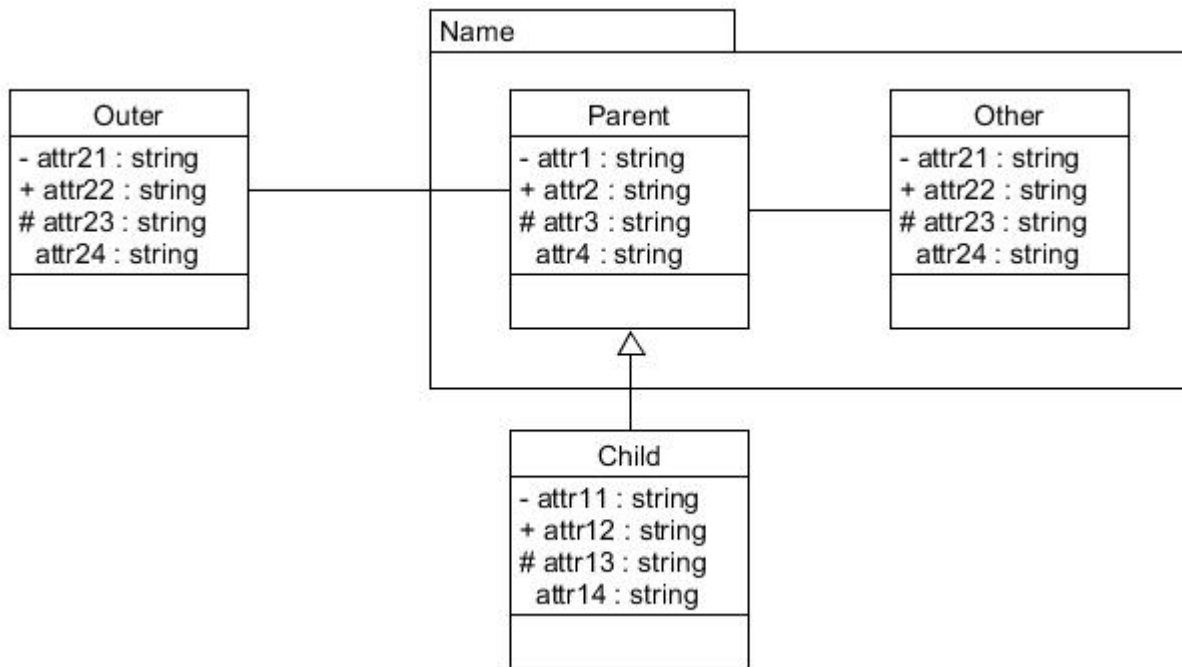✔   5) MAX

In a given class model...	0	Wrong Answer	Check Answer ⌄

In a given class model, which one of the following statement is true?

✖   1) Parent can access attr13

2) Outer can access attr4

3) Child can access attr1

4) None of the above

To remove and discard ...   0   **Wrong Answer**   Check Answer ⌄

To remove and discard the changes from the last commit on your current branch, you should use:

1) git revert HEAD~1

2) git reset --hard HEAD~1

3) git reset --hard HEAD

4) git revert HEAD

✖   5) git reset --soft HEAD

_____ clause filte...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

_____ clause filters the Summarized data.

✖   1) GROUP BY

   2) FILTER

   3) WHERE

   4) HAVING

   5) ORDER BY

Which one of the follo...   1   Correct Answer   Check Answer ⌄

Which one of the following statements describes Encapsulation best?

   1) Class must override all parent methods

✔   2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.

   3) Class should contain overloaded methods

   4) None of the above

State TRUE or FALSE. O...   1   Correct Answer   Check Answer ⌄

State TRUE or FALSE.
One table can contain only one Primary key but multiple foreign keys.

✔   1) TRUE

   2) FALSE

Select the correct option with...   1   Correct Answer   Check Answer ⌄

Select the correct option with regards to Staging Area?

   1) Marking a new file to make it ready to edit

   2) Marking a new file to remove from repository

   3) Committing a file to repository

✔   4) Marking a modified file in its current version to go into your next commit snapshot

_____ and _____...   0   Wrong Answer   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

1) AND

2) CONCAT

✗   3) JOIN

✓   4) OR

Select the correct map...   1   Correct Answer   Check Answer ⌄

Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

1) i, ii, vi

2) i, ii, v, vi

✓   3) i, iii, iv, vi

4) i, iii, iv

method travel(src: str...   0   Wrong Answer   Check Answer ⌄

method travel(src: string, dest: string) in a base class and travel(dest: string) in derived class is a best example of ...

1) Runtime Polymorphism

2) Overloading

✗   3) Overriding

4) "Option B" and "Option C" both

To delete remote branc...   1   Correct Answer   Check Answer ⌄

To delete remote branch what is the command that is used?

✔ **1) git push <remote_name> --delete <branch name>**

  2) git delete

  3) git branch -a

  4) git branch -d branchName

Mr. Natawarlal being b...   1   Correct Answer   Check Answer ⌄

Mr. Natawarlal being businessman has three Cars in his house,

His personal Car
His wife's Car
Company Car

Which of the following is the best way to model this description.

✔ **1) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are instances of class "Car"**

  2) "Businessman" class is associated with class "Car". "PersonalCar", "WifesCar" and "CompanyCar" are child classes of "Car" class.

  3) "Businessman" class is associated with "PersonalCar", "WifesCar" and "CompanyCar" classes

  4) All of the above fail to model it

Which DDL statement ca...   1   Correct Answer   Check Answer ⌄

Which DDL statement can be used to remove rows from table t1?

  1) DROP

  2) DELETE ALL

✔ 3) TRUNCATE

  4) REMOVE

  5) Any of the above is fine

Which one of the follo...   0   Wrong Answer   Check Answer ⌄

Which one of the following statements is correct for Inheritance relationship?

✖   **1) Base class inherits the properties of derived class**

2) Derived class inherits the properties of base class

3) Base class and derived class can inherit each other's properties simultaneously

4) Inheritance relationship does not support inheriting properties.

User A would like to i...   **0**   **Wrong Answer**   Check Answer ⌄

**User A would like to insert a row into the EMPLOYEE table that has three columns: EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement would work?**

**1) insert into EMPLOYEE
values (59694,'HARRIS', NULL);**

✖   **2) insert into EMPLOYEE
values (59694,'HARRIS');**

3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
values (59694,'HARRIS');

4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

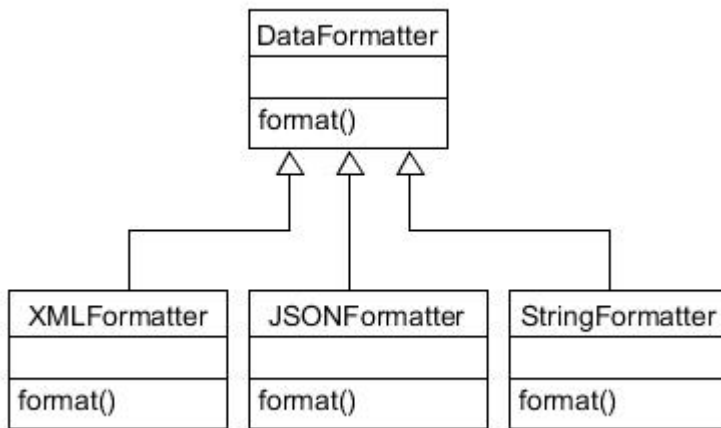The class model of For...   **1**   **Correct Answer**   Check Answer ⌄

The class model of Formatter in the figure demonstrates which Object Oriented principle(s)

1) Method Overloading

2) Data/Information hiding

✔ **3) Method Overriding**

4) All of the above

_ is not a Transactio...   1   Correct Answer   Check Answer ⌄

_ is not a Transaction control language statement

✔ **1) Revoke**

2) Rollback

3) Commit

4) Savepoint

What will be the outpu...   1   Correct Answer   Check Answer ⌄

**What will be the output of
select initcap(substr('Checklist',6)) from dual;**

1) Check

✔ **2) List**

3) L

4) list

PROBLEMS	POINTS	ANSWERED CORRECTLY

Select the essential b...   0   **Wrong Answer**   Check Answer ⌄

Select the essential benefits given by Branching. (Choose most correct 2 options)

- 1) Helps automate test executions
- ✔ 2) Helps merge changes in teams and resolve conflicts
- 3) Helps work and push changes without impacting the teams involved
- ✖ 4) Ensure adherence to compliance regulations

You would like to disp...   0   **Wrong Answer**   Check Answer ⌄

You would like to display the system date in the format "Monday, 01 June, 2001". Which SELECT statement should you use?

- ✖ 1) SELECT TO_DATE(SYSDATE, 'DAY, DD Month, YYYY') FROM dual;
- 2) SELECT TO_CHAR(SYSDATE, 'DD, DY Month, 'YYYY') FROM dual;
- 3) SELECT TO_CHAR(SYSDATE, 'Day, DD Month, YYYY') FROM dual;
- 4) SELECT TO_CHAR(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;
- 5) SELECT TO_DATE(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

Database management sy...   1   **Correct Answer**   Check Answer ⌄

Database management systems are intended to

- 1) eliminate data redundancy
- 2) establish relationship among records in different files
- 3) manage file access
- 4) maintain data integrity
- ✔ 5) all of the above

State True or False:- ...   0   **Wrong Answer**   Check Answer ⌄

State True or False:-

Git is less preferred for handling extremely large files or frequently changing binary files while SVN can handle multiple projects stored in the same repository.

    1) TRUE

✖   **2) FALSE**

Which SQL statement ac...   **1**   **Correct Answer**   **Check Answer** ⌄

Which SQL statement accepts user input for the columns to be displayed, the table name, and WHERE condition?

    1) SELECT &1, "&2"
    FROM &3
    WHERE last_name = '&4';

    2) SELECT &1, '&2'
    FROM &3
    WHERE '&last_name = '&4' ';

✔   **3) SELECT &1, &2**
    FROM &3
    WHERE last_name = '&4';

    4) SELECT &1, '&2'
    FROM EMP
    WHERE last_name = '&4';

Subquery can be used i...   **0**   **Wrong Answer**   **Check Answer** ⌄

Subquery can be used in
a. FROM clause of SELECT statement
b. WHERE clause of SELECT statement
c. GROUP BY clause of SELECT statement
d. SET clause of UPDATE statement
e. WHERE clause of DELETE statement
f. ORDER BY clause of SELECT statement

    1) a,b,d,e

✖   **2) a,b,c,e**

    3) a,b,c,d

    4) a,c,e,f

PROBLEMS   POINTS ANSWERED CORRECTLY

For protecting the cli...   1   **Correct Answer**   **Check Answer** ∨

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

    1) Make all attributes public

✔   **2) Make all attributes private**

    3) Make all attributes protected
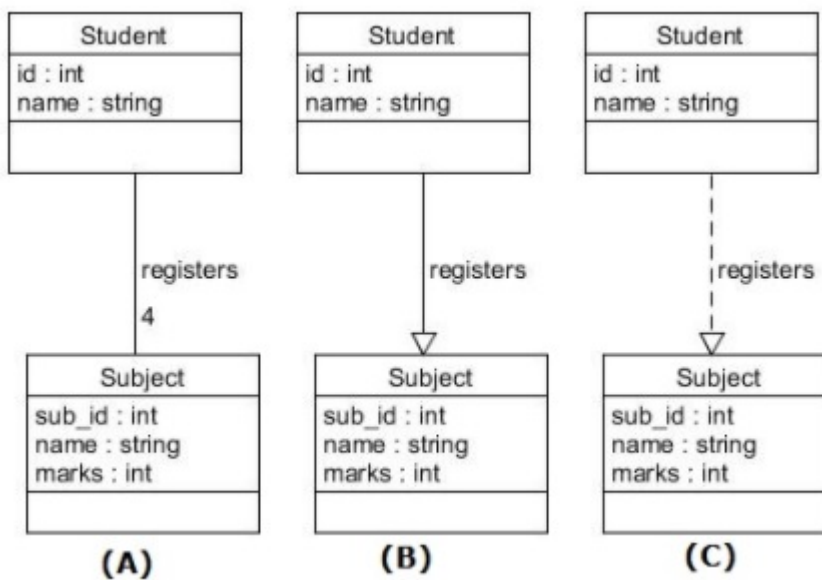
    4) Make all attributes default scope

Student registers for ...   1   **Correct Answer**   **Check Answer** ∨

**Student registers for 4 subjects for university exam.
Which of the following relationship represents it best?**

(A)   (B)   (C)

✔   **1) A**

    2) B

    3) C

    4) None of the above

Which statement descri...   1   **Correct Answer**   **Check Answer** ∨

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which statement describes a commit in Git?

      1) The changes to the project sources since inception

✔ **2) The changes to the project sources since the previous commit**

      3) A promise to make a change by a specified date

      4) A deadline for the merging of a Git branch

In DML statements, which type ...   1   Correct Answer   Check Answer ⌄

In DML statements, which type of Variables are used to prompt user to enter values at Run time?

      1) Scalar Variables

✔ **2) Substitution variables**

      3) Bind variables

      4) Prompt variables

Which type of variable...   1   Correct Answer   Check Answer ⌄

Which type of variables are associated with class and not the object

      1) Private

      2) Protected

      3) Public
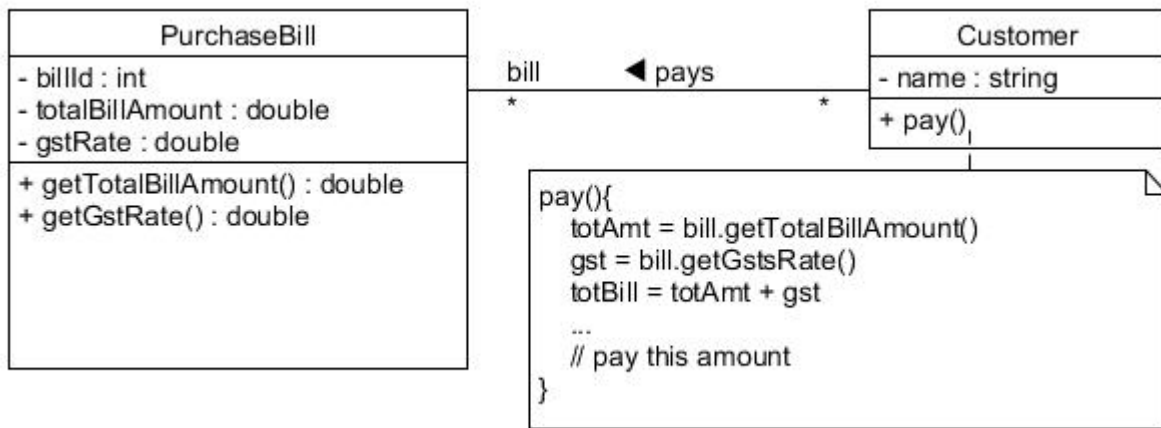
✔ **4) Static**

In this class model wh...   1   Correct Answer   Check Answer ⌄

In this class model which one of the following OO principles is clearly violated?

PurchaseBill
- billId : int - totalBillAmount : double - gstRate : double
+ getTotalBillAmount() : double + getGstRate() : double

bill   ◀ pays

Customer
- name : string
+ pay()

```
pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...
    // pay this amount
}
```

1) Abstraction

2) Data hiding

✔ 3) Encapsulation

4) Economy of expression

In a real world, "Hous...   1   **Correct Answer**   Check Answer ⌄

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

1) Data hiding

2) Encapsulation

✔ 3) Abstraction

4) Polymorphism

State True or False :-...   1   **Correct Answer**   Check Answer ⌄

State True or False :-
Git add command just adds files to staging area and doesn't actually commits.

✔ 1) TRUE

2) FALSE

PROBLEMS	POINTS	ANSWERED CORRECTLY	
State True or False for follow...	1	**Correct Answer**	Check Answer ⌄

State True or False for following statements:-
A] git reset permanently removes commits from repository.
B] git revert is to undo any commit message.
C] git checkout is to undo the committed changes.

    1) A] False
    B] False
    C] False

    2) A] True
    B] True
    C] True

✔   **3) A] True**
    B] True
    C] False

    4) A] False
    B] True
    C] True

    5) A] False
    B] False
    C] True

Go to course

Persistent

VC **Vikrant Chauhan** ▾

GEMS Generic... / GEMS Generic Paper - Combin...

👍 **CONGRATS!!!**

TOTAL SCORE : **70 %**

Congrats !!! You have successfully completed the session :) ...

Quiz

Answered Questions : **35** / 50   Your Score : **70 %** ▾

PROBLEMS	POINTS	ANSWERED CORRECTLY	
Select the essential b...	0	**Wrong Answer**	Check Answer ﹀

Select the essential benefits given by Branching. (Choose most correct 2 options)

✖ 1) **Helps automate test executions**

2) **Helps merge changes in teams and resolve conflicts**

✔ 3) **Helps work and push changes without impacting the teams involved**

4) Ensure adherence to compliance regulations

| method travel(src: str... | 1 | Correct Answer | Check Answer ﹀ |

method travel(src: string, dest: string) in a base class and travel(dest: string) in derived class is a best example of ...

1) Runtime Polymorphism

✔ 2) **Overloading**

3) Overriding

4) "Option B" and "Option C" both

| _____ and _____... | 1 | Correct Answer | Check Answer ﹀ |

_____ and _____ operators combines the result of two component conditions to produce a single result based on them.

✔ 1) **AND**

2) CONCAT

3) JOIN

✔ 4) **OR**

PROBLEMS	POINTS	ANSWERED CORRECTLY	

| The EMP table has thes... | 1 | Correct Answer | Check Answer ⌄ |

The EMP table has these columns:
ENAME VARCHAR2(35)
SALARY NUMBER(8,2)
HIRE_DATE DATE
Management wants a list of names of employees who are hired in 2011 or 2012 and whose salary in the range of 60000 to 100000. Which SQL statement displays the required results?

1) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') like '2011' OR '2012'
AND SALARY BETWEEN (60000,100000);

2) SELECT ENAME
FROM EMP
WHERE YYYY(HIRE_DATE) in ('2011','2012')
AND SALARY IN 60000 and 100000;

✓ 3) SELECT ENAME
FROM EMP
WHERE to_char(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

4) SELECT ENAME
FROM EMP
WHERE to_date(HIRE_DATE,'YYYY') in ('2011','2012')
AND SALARY BETWEEN 60000 and 100000;

| Consider the below tab... | 1 | Correct Answer | Check Answer ⌄ |

PROBLEMS   POINTS ANSWERED CORRECTLY

Consider the below table structure
Employees(Employee_id,Last_name,job_id,salary,commission_pct,Department_id)
Departments(department_id,department_name)

Which is the correct query to delete all the employees from Employees table who are in a department where the department name contains the string 'Public.'

    1) DELETE FROM employees
WHERE department_name LIKE '%Public%');

    2) DELETE FROM employees
WHERE department_id <>
(SELECT department_id
FROM departments
WHERE department_name LIKE "%Public%");

✔   3) DELETE FROM employees
WHERE department_id =
(SELECT department_id
FROM departments
WHERE department_name LIKE '%Public%');

    4) DELETE FROM employees,departments
WHERE employees.department_id =
departments.department_id
and department_name LIKE '%Public%'

Choose the correct seq...   1   Correct Answer   Check Answer ⌄

Choose the correct sequence of command from following to track a file. (Assume file is being tracked for first time)

    1) git init
git -am <message>
git commit <message>

✔   2) git init
git add <filename.extension>
git commit -m <message>

    3) git init
git commit -m <message>
git add <filename.extension>

    4) git init
git commit -am <message>

For writing a robust c...   0   Wrong Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

For writing a robust code, which of the following guidelines need to be followed

✖ **1) All base class attributes need to be static**

   2) Only base class need to have private attributes

   3) every attribute of class must be private. For information hiding

   4) The methods and attributes of all classes need to be private.

By default, git stash ...   1   Correct Answer   Check Answer ⌄

By default, git stash pop will re-apply the most recently added stash.

✔ **1) TRUE**
   2) FALSE

'AS' clause is used in...   1   Correct Answer   Check Answer ⌄

'AS' clause is used in SQL for

   1) Selection of data

   2) Joining tables

✔ **3) assigning alternative name for a column**

   4) Projection of data

Database management sy...   1   Correct Answer   Check Answer ⌄

Database management systems are intended to

   1) eliminate data redundancy

   2) establish relationship among records in different files

   3) manage file access

   4) maintain data integrity

✔ **5) all of the above**

In UML how is class re...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS ANSWERED CORRECTLY

In UML how is class represented?

   1) Rounded rectangle with 3 partitions

   2) Ellipse

✔ **3) Rectangle with 3 partitions**

   4) Dotted Rectangle with 3 partitions

Select the correct option with...   1   **Correct Answer**   Check Answer ⌄

Select the correct option with regards to Staging Area?

   1) Marking a new file to make it ready to edit

   2) Marking a new file to remove from repository

   3) Committing a file to repository

✔ **4) Marking a modified file in its current version to go into your next commit snapshot**

_____ clause filte...   0   **Wrong Answer**   Check Answer ⌄

_____ clause filters the Summarized data.

   1) GROUP BY

✖ **2) FILTER**

   3) WHERE

   4) HAVING

   5) ORDER BY

State True or False:- ...   0   **Wrong Answer**   Check Answer ⌄

State True or False:-

Merging means to take all your work from other branch to main branch.

✖ **1) FALSE**

   2) TRUE

Which of the following command...   0   **Wrong Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Which of the following commands can we use to create a branch in an existing repository?

    1) git create branch

✔   **2) git branch <branch name>**

    3) git init branch

    4) git checkout -b <branch name>

If we are modelling cl...   1   **Correct Answer**   Check Answer ⌄

If we are modelling classes Vehicle, Car [rtoNumber] and Scooter[rtoNumber]. Which of the following is an appropriate way to model the relationships between them?

    1) All these three classes are independent and have no relation with each other

    2) Vehicle, Scooter and Car have cyclic composition with each other

✔   **3) Class Vehicle is a base class with rtoNum as attribute and class car and Scooter are derived classes.**

    4) RTONumber is base class and Vehicle, Car, Scooter are derived classes

---

Which one of the follo...   0   **Wrong Answer**   Check Answer ⌄

Which one of the following statements describes Encapsulation best?

    1) Class must override all parent methods

    2) The class should hide it's private state and behavior and provide a set of business methods for the manipulation of the the object state.

    3) Class should contain overloaded methods

✖   **4) None of the above**

Find below the structure of Em... 0   **Wrong Answer**   Check Answer ⌄

Find below the structure of Employees table
Employees(Employee_Id,Emp_name,Job_id,Mgrid,Dept_id,sal)

On the EMPLOYEES table, EMPLOYEE_ID is the primary key. MGR_ID is the ID of
managers and refers to the EMPLOYEE_ID. The JOB_ID column is a NOT NULL column.
Evaluate this DELETE statement:

DELETE employee_id, salary, job_id
FROM employees
WHERE dept_id = 90;

Why does the DELETE statement fail when you execute it?

✖   1) There is no row with dept_id 90 in the EMPLOYEES table.

      2) User cannot delete the JOB_ID column because it is a NOT NULL column.

      3) User cannot specify column names in the DELETE clause of the DELETE statement

      4) User cannot delete the EMPLOYEE_ID column because it is the primary key of the table.

Which of the following command...   1   Correct Answer   Check Answer ⌄

Which of the following command is used to configure a user name as 'abc'?

✔   1) git config --global user.name "abc"

      2) git config --user.name "abc"

      3) git --config user.name "abc"

      4) git global --config user.name "abc"

Match the following :-...   1   Correct Answer   Check Answer ⌄

Match the following :-

A] git status A] Operates on committed history
B] git log B] Operates on staging area and repository
C] git diff --staged C] Inspects working directory and staging area

✔ **1) A -> C**
   B -> A
   C -> B

   2) A -> A
   B -> B
   C -> C

   3) A -> B
   B -> C
   C -> A

   4) A -> B
   B -> A
   C -> C

   5) A -> C
   B -> B
   C -> A

A primary key is combi...   0   **Wrong Answer**   Check Answer ⌄

A primary key is combined with a foreign key creates

   1) Parent-Child relationship between the tables that connect them.

   2) Many to many relationship between the tables that connect them.

✖ **3) Network model between the tables that connect them.**

   4) None of these

In a real world, "Hous...   0   **Wrong Answer**   Check Answer ⌄

In a real world, "House" may have large number of (possible) features, but while considering for software application development, we consider only features of "House", which are relevant to the software. What is a formal term for this is Object Oriented field?

✖ **1) Data hiding**

   2) Encapsulation

   3) Abstraction

   4) Polymorphism

PROBLEMS	POINTS	ANSWERED CORRECTLY	

Employee's joining dat...   1   **Correct Answer**   Check Answer ⌄

Employee's joining date is saved in Emp table's JoiningDate column. Write a query to find name(s) of the seniormost employee in the company.

1) SELECT Name FROM Emp WHERE JoiningDate = (SELECT JoiningDate FROM Emp)

2) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MAX(JoiningDate) FROM Emp)

✔ **3) SELECT Name FROM Emp WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)**

4) SELECT Name FROM Emp GROUP BY JoiningDate, Name HAVING JoiningDate=(SELECT MAX(JoiningDate) FROM Emp)

5) SELECT Name FROM Emp GROUP BY JoiningDate, Name WHERE JoiningDate = (SELECT MIN(JoiningDate) FROM Emp)

__ is not a Transactio...   1   **Correct Answer**   Check Answer ⌄

__ is not a Transaction control language statement

✔ **1) Revoke**

2) Rollback

3) Commit

4) Savepoint

"IS-A" or "IS KIND OF"...   1   **Correct Answer**   Check Answer ⌄

"IS-A" or "IS KIND OF" relationship can be best represented by which one of the following relationships?

1) Aggregation

2) Composition

3) Association

✔ **4) Inheritance**

State True or False fo...   0   **Wrong Answer**   Check Answer ⌄

State True or False for following Statements :-
A] Files or directory specified in .gitignore file are not tracked
B] .gitignore file is by default available in working directory
C] .gitignore file needs to be tracked

✖   **1) A] False**
     B] True
     C] False

     2) A] True
     B] False
     C] True

     3) A] True
     B] True
     C] True

     4) A] False
     B] False
     C] True

     5) A] True
     B] False
     C] False

To delete remote branc...   1   **Correct Answer**   Check Answer ⌄

To delete remote branch what is the command that is used?

✔   **1) git push <remote_name> --delete <branch name>**

     2) git delete

     3) git branch -a

     4) git branch -d branchName
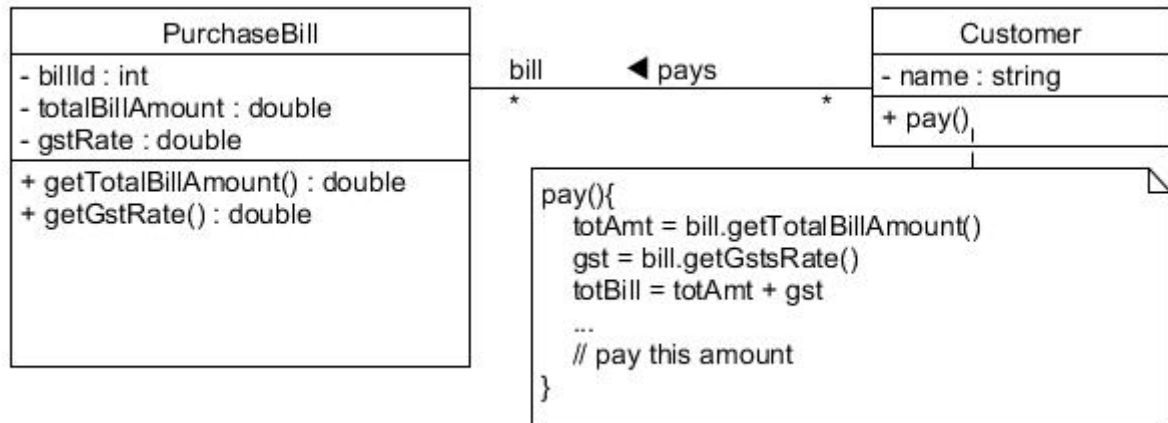
In this class model wh...   1   **Correct Answer**   Check Answer ⌄

In this class model which one of the following OO principles is clearly violated?

PurchaseBill

- billId : int
- totalBillAmount : double
- gstRate : double

+ getTotalBillAmount() : double
+ getGstRate() : double

bill   ◀ pays
*   *

Customer

- name : string

+ pay()

```
pay(){
    totAmt = bill.getTotalBillAmount()
    gst = bill.getGstsRate()
    totBill = totAmt + gst

    ...
    // pay this amount
}
```

  1) Abstraction

  2) Data hiding

✔ 3) Encapsulation

  4) Economy of expression

Which of the following is corr...   1   **Correct Answer**   Check Answer ⌄

Which of the following is correct command to delete a branch

  1) git branch -rm 'branch_name'

  2) git branch delete 'branch_name'

  3) git branch remove 'branch_name'

✔ 4) git branch -d 'branch_name'

User A would like to i...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

User A would like to insert a row into the EMPLOYEE table that has three columns:
EMPID, LASTNAME, and SALARY. The user would like to
enter data for EMPID 59694 and LASTNAME Harris, but no salary. Which statement
would work?

✔   **1) insert into EMPLOYEE**
    values (59694,'HARRIS', NULL);

2) insert into EMPLOYEE
values (59694,'HARRIS');

3) insert into EMPLOYEE(EMPID, LASTNAME, SALARY)
values (59694,'HARRIS');

4) insert into EMPLOYEE(select 59694, 'HARRIS' from dual);

You want to display th...   1   Correct Answer   Check Answer ⌄

You want to display the titles of books that meet following criteria:
1. Purchased before January 21, 2001
2. Price is less then 500 or greater than 900
You want to sort the results by their date of purchase, starting with the most recently
bought book. Which statement should you use?

1) SELECT book_title FROM books WHERE price BETWEEN 500 AND 900 AND purchase_date <
'21-JAN-2001' ORDER BY purchase_date;

2) SELECT book_title FROM books WHERE price IN (500,900) AND purchase_date < '21-JAN-
2001' ORDER BY purchase_date ASC;

3) SELECT book_title FROM books WHERE price < 500 OR > 900 AND purchase_date < '21-JAN-
2001' ORDER BY purchase_date DESC;

✔   **4) SELECT book_title FROM books WHERE (price < 500 OR price > 900) AND purchase_date <**
    '21-JAN-2001' ORDER BY purchase_date DESC;

'WITH CHECK OPTION' in...   1   Correct Answer   Check Answer ⌄

'WITH CHECK OPTION' in CREATE VIEW statement is used to _____ .

1) check how many values the Oracle server preallocates and keep in memory

2) ensure that no DML operations can be performed on this view.

3) ensure that values should be checked for default value in base table.

✔   **4) specify that only rows accessible to the view can be inserted or updated.**

A person has many attr...   0   Wrong Answer   Check Answer ⌄

PROBLEMS　　　　　　　POINTS　ANSWERED CORRECTLY

A person has many attributes possible like (name, email, mobile number, weight, height, eye color and so on ...). But while considering class Employee (i.e.)Person working for IT company, model can ignore inessential attributes like weight, height, eye color etc. Which one of the following principles is demonstrated here?

　　1) method overloading

　　2) Data hiding

　　3) Abstraction

✖　4) None of the above

What is the output of ...　　　　　1　　　Correct Answer　　　　Check Answer ⌄

What is the output of below?

select trunc(mod(mod(358, 10), 3), 1) from dual;

Note: use truncate if required as per db.

　　1) 1

　　2) 8

✔　**3) 2**

　　4) 6

Which one of the relat...　　　　　1　　　Correct Answer　　　　Check Answer ⌄

Which one of the relationships can exist between classes "Clock" and "DigitalClock"?

　　1) Aggregation

✔　**2) Inheritance**

　　3) Composition

　　4) None of the above

Which type of variable...　　　　　1　　　Correct Answer　　　　Check Answer ⌄

Which type of variables are associated with class and not the object

　　1) Private

　　2) Protected

　　3) Public

✔　**4) Static**

PROBLEMS   POINTS   ANSWERED CORRECTLY

Select the appropriate...   1   **Correct Answer**   Check Answer ⌄

Select the appropriate basic workflow of Git from following.

1) Stage
Edit
Review
Commit

2) Edit
Commit
Stage
Review

✔ **3) Edit**
Stage
Review
Commit

4) Commit
Edit
Stage
Review

Which one of the follo...   1   **Correct Answer**   Check Answer ⌄

Which one of the following aspect is NOT covered in class model?

1) Which are abstract classes

2) Which methods are overridden in child class

3) Which class can invoke operation of which other class?

✔ **4) When specific operation was invoked by other class**

You would like to disp...   1   **Correct Answer**   Check Answer ⌄

You would like to display the system date in the format "Monday, 01 June, 2001". Which SELECT statement should you use?

1) SELECT TO_DATE(SYSDATE, 'DAY, DD Month, YYYY') FROM dual;

2) SELECT TO_CHAR(SYSDATE, 'DD, DY Month, 'YYYY') FROM dual;

✔ **3) SELECT TO_CHAR(SYSDATE, 'Day, DD Month, YYYY') FROM dual;**

4) SELECT TO_CHAR(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

5) SELECT TO_DATE(SYSDATE, 'DY, DDD Month, YYYY') FROM dual;

PROBLEMS	POINTS	ANSWERED CORRECTLY	

Which is not a valid differenc...   1   **Correct Answer**   Check Answer ⌄

Which is not a valid difference between DELETE and TRUNCATE?

    1) DELETE is a DML command
    TRUNCATE is a DDL command

    2) DELETE requires commit
    TRUNCATE does not require commit

✔   **3) DELETE can not be rolled back.**
    TRUNCATE can be rolled back.

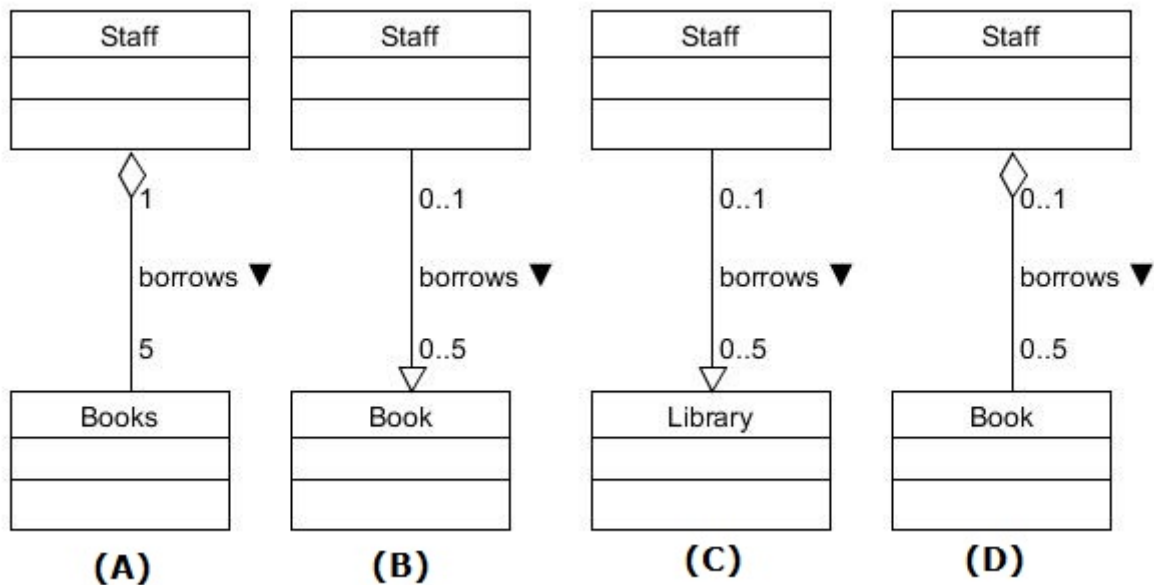   4) TRUNCATE is faster than DELETE

A college staff can bo...   0   **Wrong Answer**   Check Answer ⌄

A college staff can borrow up to 5 books from library, which of the following models represent the case best?

    1) A
✖   2) B
    3) C
    4) D

Column in a table refe...   1   **Correct Answer**   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Column in a table refers to _____ in Entity Relationship diagram.

    1) Entity

    2) Relation

✔ **3) Attribute**

    4) Touple

What are valid constra...   0   Wrong Answer   Check Answer ⌄

What are valid constraint types? (Choose Multiples)

✔ **1) NOT NULL**

✔ **2) UNIQUE**

    3) CANDIDATE KEY

✔ **4) PRIMARY KEY**

    5) CHECK

For protecting the cli...   0   Wrong Answer   Check Answer ⌄

For protecting the client classes from changes in attributes and getting control over state of the object, which one of the following strategies helps best?

    1) Make all attributes public

    2) Make all attributes private

✖ **3) Make all attributes protected**

    4) Make all attributes default scope

What are the advantage...   1   Correct Answer   Check Answer ⌄

What are the advantages of using Git?

    1) Allows to create multiple revisions under a tag root

✔ **2) Data redundancy and replication**

✔ **3) Superior disk utilization and network performance**

✔ **4) Only one.git directory per repository**

Select the correct map...   1   Correct Answer   Check Answer ⌄

PROBLEMS   POINTS   ANSWERED CORRECTLY

Select the correct mapping:
i. CREATE - DDL
ii. RENAME - DCL
iii. ROLLBACK - TCL
iv. REVOKE - DCL
v. DELETE - DDL
vi. UPDATE - DML

    1) i, ii, vi

    2) i, ii, v, vi

✔   3) i, iii, iv, vi

    4) i, iii, iv

Examine the description of the...   1   Correct Answer   Check Answer ⌄

Examine the description of the STUDENTS table:

STD_ID NUMBER(4)
COURSE_ID VARCHAR2(10)
START_DATE DATE
END_DATE DATE

Which aggregate functions are valid on the START_DATE column?

✔   1) MIN

✔   2) COUNT

    3) AVG

    4) SUM

✔   5) MAX

Which of the following...   1   Correct Answer   Check Answer ⌄

Which of the following is the incorrect statement about GIT?

    1) Only one.git directory per repository

    2) Superior disk utilization and network performance

✔   3) Multiple developers can not checkout

    4) Data redundancy and replication

Which one of the follo...   1   Correct Answer   Check Answer ⌄

Which one of the following statements is true?

　　1) We can not overload a method in same class

✓　2) **We can not override a method in same class**

　　3) Overloaded methods have exactly same method signature.

　　4) None of the above statements is true

Which of the following are cor...　　　　0　　　**Wrong Answer**　　　Check Answer ⌄

Which of the following are correct basic steps to work with Git Remote?

✘　**1) Setup a GitHub Account**
　　Create Repository
　　Copy Remote(Clone)
　　Add Remote
　　Check Changes in Remote(Fetch)
　　Merge in Fetched Changes(Merge)
　　Push Changes to Remote(Push)

　　2) Create Repository
　　Setup a GitHub Account
　　Copy Remote(Clone)
　　Add Remote
　　Push Changes to Remote(Push)
　　Merge in Fetched Changes(Merge)
　　Check Changes in Remote(Fetch)

　　3) Setup a GitHub Account
　　Create Repository
　　Copy Remote(Clone)
　　Add Remote
　　Check Changes in Remote(Fetch)
　　Push Changes to Remote(Push)
　　Merge in Fetched Changes(Merge)

　　4) Setup a GitHub Account
　　Create Repository
　　Add Remote
　　Push Changes to Remote(Push)
　　Check Changes in Remote(Fetch)
　　Merge in Fetched Changes(Merge)

Go to course