LONG QUIZ NO. 4

1. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"So far, XYZ has 2 updates and it is working smoothly. Some bugs were fixed and there have been improvements – like additional characters and skills."

ANSWER: Maintainability

2. One good practice is to use water filtration system instead of buying bottled water every time.

ANSWER: TRUE

3, Quality improvement process is conducted to avoid errors and faults from recurring in the future.

ANSWER: TRUE

4. Big business companies are the only ones responsible for enforcing environmental policies since they can afford alternative cleaner technology.

ANSWER: FALSE

5. Presidential Decree No. 856 is an international treaty that imposes limitations on the greenhouse gas emissions of several countries.

ANSWER: FALSE

6. Kyoto protocol addresses environmental issues through the campaign of
_____.

ANSWER: reducing greenhouse gas emissions

7. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Testability

ANSWER: Maintainability

8. Pre-review activities in the review process includes review planning, preparation and individual review.

ANSWER: TRUE

9. _____ is when you conduct regular audits and inspections to evaluate your work performance.

ANSWER: Shitsuke

10. The Kyoto protocol requires the participation of both industrialized and developing nations in reducing environmental harm.

ANSWER: FALSE

11. This body was tasked to implement the provisions of P.D. No. 856.

ANSWER: DEPARTMENT OF HEALTH

12. Every country, whether industrialized or still developing, must actively cooperate in enforcing environmental measures.

ANSWER: TRUE

13. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"One good thing I find with XYZ as when my laptop shuts down accidentally, my game score and status can still be recovered. No need to repeat a level."

ANSWER: Reliability

14. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Accessibility

ANSWER: Usability

15. Seiri is making work easier by reducing unnecessary items to deal with.

ANSWER: TRUE

16. As long as the demands of the clients are met and the business is flourishing, there's no more need to bother about the effects of one's business to the environment.

ANSWER: FALSE

17. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"I find it really enjoying to play XYZ since I can invite my friends from social media profile. It works well with this social media app!"

ANSWER: Compatibility

18. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"XYZ is so cool! I tried to install it in my old computer and it still runs smoothly. Given that the computer's video card is a bit faulty."

ANSWER: Reliability

19. _____ is setting the best practices in the workplace as your work standards.

ANSWER: Seiketsu

20. The 5S Method is a Japanese perspective technique developed by Eiichiro Oda.

ANSWER: FALSER

21. Companies can freely make their own set of environmental policies without consulting the workers' union, or any local or national laws about it.

ANSWER: FALSE

22. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Interoperability

ANSWER: Compatibility

23. ISO/IEC 25010:2011's product quality model has eight (8) major characteristics.

ANSWER: TRUE

24. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Installability

ANSWER: Portability

25. According to Humphrey, a quality plan starts with product introduction where the product qualities and target market are identified.

ANSWER: TRUE

26. Environmental policies won't really make a difference, businesses will still strive and be successful without giving a care for the environment.

ANSWER: FALSE

27. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Recoverability

ANSWER: Reliability

28. Montreal protocol protects the ozone layer by _____.

ANSWER: phasing out harmful substances

29. Critical thinking skills is an essential skill which includes listening effectively, adapting communication skills and understanding underlying issues.

ANSWER: FALSE

30. Standards are based on untested concepts and theories that the company has yet to encounter.

ANSWER: FALSE

LONG QUIZ NO. 6

1. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
passingSCORE for a constant variable.

ANSWER: WRONG

2. Refer to the image below to answer the following question. What process is illustrated in the diagram?

ANSWER Social media login limit

3. Jamie finished debugging her program. What is the next step she should do?

ANSWER: Formalize the Solution

4. The following are statements that describe milestones in the programming language.
I. FORTRAN, the first modern computer language, was developed.
II. Java was released by Sun Microsystems
III. C was developed based on some of B's features.
IV. Ada Lovelace invented the first computer program for analytical engine application.
V. COBOL was created by the US Department of Defense
Which of the following shows the correct order of events?

ANSWER: IV, I, V, III, II

5. The set of rules that must be strictly followed when using a programming language is called

ANSWER: SYNTAX

6. Lizzy printed her reports in all the major subjects. She forgot if she has already printed her English report. What can she do to avoid printing it twice?

ANSWER: Right click on the printer and choose See what's printing.

7. Refer to the pseudocode below and answer the following question: If the calculated BMI results to 26, what will the program do?

ANSWER: display Overweight

8. You will find running application programs and process in the Task Manager.

ANSWER: TRUE

9. We were playing games locally and I got disconnected. I think something's wrong with this port.

ANSWER: E

10. Java is an example of

ANSWER: HIGH-LEVEL LANGUAGE

11. To check if your operating system is up to date, click Start then click Control Panel and choose _____.

ANSWER: Windows Update

12. C# was released by

ANSWER: MICROSOFT

13. He is known as the father of the Java programming language.

ANSWER: JAMES GOSLING

14. .MPEG, .MP3 and .MOV are filename extensions for videos.

ANSWER: FALSE

15. is a type of programming language that is composed of symbols and words that follow some rules similar to that of a natural language.

ANSWER: High-level language

16. Programs written in high-level languages are translated into machine-readable form using interpreters or compilers.

ANSWER: TRUE

17. was the first language implemented for BINAC.

ANSWER: Short Code

18. A deleted file or folder found in the Recycle Bin can still be restored.

ANSWER: TRUE

19. Even when you close all running application programs, there are still process running in the background.

ANSWER: TRUE

20. I found out that the keyboard is defective so I switched to the old keyboard which uses PS/2 port, where should I plug it in?

ANSWER: A

21. Refer to the pseudocode below and answer the following question: What happens after weight is given?

ANSWER: ASK FOR HEIGHT

22.  A_____is the code or language that allows a user to instruct a computer to perform specific tasks.

ANSWER: Programming Language

23. Refer to the image below to answer the following question. What type of image is shown?

ANSWER: FLOWCHART

24. My headset is working but the microphone is not. Which port should I check?

Answer: F;

25. Refer to the image below to answer the following question. What type of flowchart symbol contains the text "Limit >=3?"?

ANSWER: DECISION

26. Who is considered as a user (component of an operating system)?

ANSWER: ALL OF THE CHOICES

27. Over time, man's efforts to find better ways to communicate with computers resulted to the evolution of programming languages.

ANSWER: TRUE

28. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
studentAge for a variable name.

ANSWER: CORRECT

29. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
Employees for a table name.

ANSWER: WRONG

30. Refer to the pseudocode below and answer the following question: What if the computed BMI equals to 10, what will the program do?

ANSWER: PRINT UNDERWEIGHT

Question text
Observe the following statements and decide whether the variable result's value is TRUE or FALSE.

Given that:
int x = -77;
int z = 43;
result = (z < x && 1 != 10) ? true : false;
result = (z != 43) ? true : false;
Select one:
False

Question text
Read each statement carefully and decide whether it's TRUE or FALSE.
The last line of code, with a close brace { symbol, is properly indented.
Select one:
False

Question text

True or False: Brackets [] are also separators used in declaring arrays.

Answer:

True

Question text

Refer to the block of codes below. Read each statement carefully and decide whether it's TRUE or FALSE.
There is an error in line 9.

Answer:

TRUE

Question text

True or False: Operators, in Java programming language, use special symbols to call methods and their objects.

Answer:

False

Question text

Read each statement carefully and decide whether it's TRUE or FALSE.
There are no errors in the program.

Select one:

False

Question text

Refer to the block of codes below. Read each statement carefully and decide whether it's TRUE or FALSE.
Line 9 uses a traditional comment which uses double forward slash.

Answer: False

Question text

True or False: Many programmers can be literate with Java programming language for it is intended to be that way.

Answer:

True

Question text

True or False: You'll know there's an error if you see a red circle with an exclamation point in Netbeans IDE.

Answer:

True

Question text

Observe the following statements and decide whether the variable result's value is TRUE or FALSE.

Given that:
int x = -77;
int z = 43;
result = (z < x && 1 != 10) ? true : false;
result = (x = 100) >= z;

Select one:

True

The file is accurately named – Students.java.

-false

There are three (3) separators found in line 13.

-FALSE

There is an error in line 9.

-True

result = 90 < x || -1 < z;

-True

The last line of code, with a close brace { symbol, is properly indented.

-False

Assuming there are no errors in the code, line 13 would display When I graduate, I'd be 18.

-True

Figure 2 shows the Netbeans Integrated Development Environment.

-True

The last line of code will output 100.0.

-True

True or False: An exclamation point in Java means NOT. Therefore, != means not equal to.

-True

There are two types of comments used in the program above – end of line and Javadoc comments.

-True

result = (z < x && 1 != 10) ? true : false;

-False

There are keywords found in line 7.

-True

In line 11, the value of personage is 18.

-TRUE

If there are no errors in the program, the first line of output would read Hi, I'm a normal person.

-False

result = (x * z + (z += 7)) >= 100;

-False

True or False: Logical OR operator will result to false if one of the expressions is false.

-False

True or False: Semicolon (;) is a separator used to end a Java statement.

-True

True or False: There are five types of integer data types – byte, short, int, long and float.

-False

True or False: Single equal sign (=) is used for assigning values while double equal sign (==) is used in comparing values.

-True

True or False: Java's ternary operator is a short hand for the if-then-else statement which uses a question mark and a colon.

-True

True or False: JDK or Java Design Kit is required to compile and run Java apps and applets.

-True

On line 6, **average** is equal to 0. But on line 9, **average** will be equal to 100.

-False

True or False: Identifiers in Java are, in simple words, name that you give to Java class, variables and methods.

-True

True or False: When you run javac in a command line interface, it will automatically create another file with a filename extension .class.

-True

Line 9 uses a traditional comment which uses double forward slash.

-FALSE

There are five (5) separators used in line 8.

-TRUE

There are no errors on line 8.

-FALSE

True or False: Syntax is basically the spelling and grammar errors compiled in a Java programming language. It should be avoided in writing apps and applets.

-False

True or False: Operators, in Java programming language, use special symbols to call methods and their objects.

-False

If you run this program, the second line of output will read **Your score is:**.

-True

True or False: Java is a low level programming language.

-False

There are also punctuators used in line 10, in between System, out and println, the parentheses and semicolon.

-TRUE

If there are no errors and this simple program runs through CLI, the first line will display: Hi, students!

-False

True or False: Brackets [] are also separators used in declaring arrays.

-True

Substrings can contain 1 or 2 arguments.

-true

Determine the output.

-bar

The index of the letter "y" in string "Doggy" is 5.

-False

Determine the output.

-foo

TRUE OR FALSE: The value "val_3" is a white space " ".

-False

True or False: Variable 1st_num is a good variable name in Java programming.

-False

TRUE OR FALSE: "val_2" contains "The"

-True

True or False: Instance variables are declared inside a method but outside a class.

-False

True or False: Variable names in Java are not necessarily case sensitive.

-False

Determine the output

-36

True or False: Public, private and protected are some of the return types used in Java programming.

-False

True or False: Divide and conquer strategy, in programming, is also known as the top-down design.

-True

If there are no errors in the program, line 9 would display I weigh 160.

-False

True or False: A boolean variable can only have two values; it is either true or false.

-True

result = !((x * 10) < z);

-False

result = -(-z) == 43;

-True

True or False: If you get an error while running the javac command in the CLI, it could be resolved by editing the Path value in Environment Variables.

-True

True or False: The subtraction assignment operator subtracts the left and right operand and assigns the difference to the operand at the right.

-False

x += x;
result = x == 154;

-False

The second line of output will be: You are in Year 11.

-True

True or False: The conditional AND operator uses two ampersand (&&) symbols.

-True

result = 43 <= z;

-True

True or False: You'll know that a variable is a class variable when you see that variable inside a class with the word static.

-True

The string method "length( )" returns the number of characters within a string.

-True

A string can contain numbers.

-True

TRUE OR FALSE: This is an example of concatenation.

-True

TRUE OR FALSE: The value of "val_4" is "fox"

-False

TRUE OR FALSE: "val_2" contains "The".

-True

Determine the output.

-f6

Languages which use procedural programming include C, (Answer) FORTRAN, Pascal and BASIC.

-C++

True or False: Local variables are declared inside the default method.

-False

Strings can be declared with str.

-False

True or False: Procedural programming involves instructing the system as to how to complete a task.

-True

TRUE OR FALSE: The output of this code is "The quick brown fox"

-False

Among the expressions below which is a statement?

-True

Expressions can be long and complex.

-true

number++; is an expression

-true

For-loops has a set number of iterations before starting.

-True

The equals( ) method can compare more than 2 arrays.

-False

While loops can use Booleans at test expressions.

-True

The test expression of the if statement is _____

-less than or equal to

There are four (4) major features of an object-oriented programming language – encapsulation, inheritance, polymorphism and abstraction.

-True

Using a break; statement causes the loop to jump to the next iteration.

-False

x+1 is example of a statement.

-False

number++; is a block

-False

Arrays are

-Integers

The operator "new" allocates a memory block the size of what is declared.

-true

A class block can be an expression

-False

Statements can be expressions.

-False

Integer arrays can be populated with characters.

-False

Declaration clauses are declared as "number + 1".

-False

Loops can be stopped with a break; statement.

-True

The equivalent of Paragraphs in coding is?

-Expressions

If statements cannot be nested in switches

-true

The length( ) method returns the size (number of indices) has.

-True

When polymorphism is used, the Java object can only take one form. Subclasses should have the same function with the parent class.

-False

Arrays can contain (Answer) number of elements.

-Any

"||" and "&&" can be used in conditional statements.

-True

A class statement has three (3) major parts – declaration, initialization and instantiation.

-False

Declaring an object in Java uses the new keyword to create a new object.

-False

Please refer to Figure 2 to answer the question below: If the expression "num = 0" is changed to "num = 5" the final output will be

-5

Expressions can be statements.

-True

Blocks can contain more blocks of code.

-True

If-else statements can be nested in?

-All of the choices

Statements are equivalent to paragraphs.

-False

A (answer) array is an array containing true or false values.

-boolean

Switches are always used with if-else statements

-False

True or False: The modulus operator returns the remainder of a division operation instead of the quotient.

-true

Determine the output.

String val_1 = "564298";

-5698

Determine the output.

String val_1 = "35";

-4

The return value of the length( ) method is an integer

-true

A superclass is also known as a parent class.

-true

For-loops can be nested in while loops.

-true

In instantiating an object, the keyword instance is used.

-False

Object oriented programming utilizes the top down method

-False

Expressions are like clauses.

-true

The sort( ) method is always ascending.

-true

Arrays are data types.

-False

Variables must be declared as (Answer) for it to be fully hidden.

-private

While statements check the test expression at the end.

-False

The else statement can be used alone.

-False

The fill( ) method (Answer) the array with specific values.

-Fills

The output of println is

-55555

The person's weight is declared correctly with the correct data type (byte) and value (160).

-FALSE

Determine the output.

String val_1 = "foo"

String val_2 = "bar"

val_2 = val_1;

val_1 = val_3;

System.out.println(val_1);

-bar

String val_1 = "foo"

String val_2 = "bar"

val_2 = val_1;

val_1 = val_3;

System.out.println(val_2);

-foo

Switches can work properly even without the "break" expression.

-True

Blocks can be one liner or huge classes.

-True

The test expressions in conditional statements can be left empty.

-False

Abstraction works by hiding the implementation details and showing only the functions necessary.

-True

A single array can hold multiple data types

-False

A polymorphic object can pass more than one Is-a test.

-True

Another loop can be used as test expression.

-False

True or False: Public, static and void are sample of Java reserved keywords.

-True

The value of "pStr" in line 24 is

-True

The default syntax of a constructor is <class_name>(parameter, parameter){ }

-False

A nested class is not an inner class.

-False

Nested classes causes them to become abstracted

-False

A nested class is also called

-inner class

If you want some variables and methods hidden from other classes, you could implement encapsulation where these variables and methods are wrapped in a single unit.

-True

A constructor can only have 1-2 overloads or parameters.

-False

All possible data types of an array can be retuned as a string by the toString( ) method.

-True

Abstracted classes can contain 1 or more abstract methods.

-True

Abstraction shows the every bit of detail and implementation on how an application does something.

-False

Initialization is a process where the constructor is called for.

-True

The default syntax of a constructor is <class_name>( ){ }

-True

Classes cannot be nested.

-False

Abstract classes cannot have nested classes.

-False

The parent class of a nested class is called an outer class

-True

An inner class can be constructed directly without reference to the outer class.

-False

Arrays can be read backwards

-True

A single array can hold

-One data type

Abstracted methods already have implementations inside.

-False

are special methods to initialize objects.

-constructors

Constructors have 3 basic rules to follow.

-False

Nesting classes increases encapsulation.

-True

Each index can only contain (Answer) element.

-one

The sort( ) method can be set to sort only a part of an array.

-False

Subclasses or child classes could have different behaviors but still share the same functions from their parent class.

-True

Abstract methods must have an explicit return value

-False

An abstract class must not contain abstract methods.

-False

Abstracted classes can be nested.

-True

A subclass constructor cannot invoke a superclass constructor.

-False

A class acquiring fields and methods of another class is called inheritance.

-True

Parallelsorting utilizes

-More cpu processing cores

method can copy one array to another.

-arraycopy

SHORT QUIZ PROG 111- PROG111 - Programming (Java) NC II Part 1

**SHORT QUIZ 8.**

1. The 5s method is based on the _____.

**ANSWER: Toyota Production Sytem**

2. Environmental issues have no relation to the workplace

**ANSWER: FALSE**

3. Protecting the environment and natural resources also means protecting stable employment.

**ANSWER: TRUE**

4. In the 5S method, this stage refers to arranging items in a way that they are easy to find and pick up.

**ANSWER: SEITON**

5. Seiso refers to cleaning your workplace on a regular basis.

**ANSWER: TRUE**

6. Humans rely on natural resources for survival.

**ANSWER: TRUE**

7. These are developed by industries as a guide for establishments and business enterprises to conduct their operations in a way that prevents or reduces environmental harm.

**ANSWER: Environmental codes of practice**

8. Business industries will not be affected by the environmental crisis.

**ANSWER:  FALSE**

9. Presidential Decree No. 856, one of the Philippine environmental laws, is also known as _____.

**ANSWER: Code on Sanitation of the Philippines**

10. The protection of the natural resources is possible through the collective efforts of each group in the society.

**ANSWER: TRUE**

**SHORT QUIZ 9**

**1. Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"Thanks to XYZ, I can baby sit my little brother. It's so easy to use that a 5-year old can play it as well."

**ANSWER: Usability**

**2.** Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer. Maturity

**ANSWER: Reliability**

3. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer. Reusability

**ANSWER: Maintainability**

4. ISO 9001 international standard for quality's core processes are divided into two (2) – product delivery process and support process.

**ANSWER: TRUE**

**5.** ISO/IEC 25010:2011's SQuaRE stands for System Quality Assurance and Requirements Evaluation. This standard is used in evaluating the quality of software.

**ANSWER: FALSE**

**6. Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"XYZ is so cool I can play it with my phone, laptop, Xbox and PS4!"

**ANSWER: Portability**

7. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"Finally we can play XYZ! Surprising enough, all features and functions are present. It has all the controls a gamer needs."

**ANSWER: Functional Stability**

8. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer. Operability

**ANSWER: Usability**

9. Reading a lot can help improve you reading comprehension skills but make sure you only read short articles.

**ANSWER: FALSE**

**10.** Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer. Functional Appropriateness

**ANSWER: Functional Suitability**

**SHORT QUIZ 10**

**1.** The mouse suddenly stopped working. Which port should I check?

**ANSWER: B**

2. Ctrl + S is the shortcut key for Save while Ctrl + S + A is the shortcut key for Save As.

**ANSWER: FALSE**

3. The earphones is an example of a _____, while Internet Explorer is an example of _____.

**ANSWER: peripheral device, application program**

4. I've purchased a modern gaming mouse but it doesn't have a PS/2 plug. Where I connect it?

**ANSWER: D**

5. Arlan right clicked on his taskbar and unchecked the Lock Taskbar. What will happen if he drags his taskbar to the right side of his screen?

**ANSWER: Taskbar will display vertically at the right.**

6. Something's wrong with the serial port. Which port should I investigate?

**ANSWER: C**

7. Windows is to Personal Computer (PC) while Mac OSX is to Mac laptops and computers.

**ANSWER: TRUE**

8. An operating system has three major components – hardware, application program or software and the user.

**ANSWER: FALSE**

9. Which of the following is not a default margin options when setting up the page for printing?

**ANSWER: REGULAR**

10. If you are confused on what to do, press F2 on your keyboard and the Windows Help feature will open.

**ANSWER: FALSE**


## SHORT QUIZ 11

**1.** This type of programming language uses series of 0s and 1s to represent data.

**ANSWER: Machine language**

2. C++, an extension of the C language, introduced object-oriented programming.

**ANSWER: True**

3. C# has features that are directly based on the Short Code.

**ANSWER: FALSE**

4. COBOL stands for Convenient Business Oriented Language.

**ANSWER: FALSE**

**5.** Which of the following statements is TRUE?

**ANSWER: A programming language may have its own area of specialization.**

6. Using the ☐ language, you can write windowed applications, build databases, as well as control handheld devices.

**ANSWER: Java**

7. ☐ is the father of computer.

**ANSWER: CHARLES BABBAGE**

8. Since natural languages are vaguely structured, they cannot be used for programming.

**ANSWER: TRUE**

9. COBOL is the programming language ideally used for _____ purposes.

**ANSWER: Business**

10. PASCAL is an example of a low-level language.

**ANSWER: FALSE**


## SHORT QUIZ 12

**1.** Refer to the image below to answer the following question. What happens every time the given username and password is incorrect?

**ANSWER: 1 IS ADDED TO THE LIMIT**

2. Refer to the image below to answer the following question. What symbol is used to begin and end the program?

**ANSWER: Terminal**

3. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG. limitIsReached for a Boolean variable.

**ANSWER: CORRECT**

4. Refer to the image below to answer the following question. When will the program end?

**ANSWER: When home page is loaded.**

5. Jet is writing the pseudocode for his program. Which phase of program development life cycle is he in?

**ANSWER: Design the Program.**

6. Ana is working on a new project and she was asking for the program's purpose, processes, algorithm, restrictions and some notes. According to the program development life cycle, in which phase is Ana working on?

**ANSWER: ANALYZE THE PROBLEM**

7. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
ContactNumber for a column name in the table "Student".

**ANSWER: CORRECT**

8. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
PresentAdress for a column name in the table "Student"

**ANSWER: WRONG**

9. Refer to the image below to answer the following question. What will happen if the username is incorrect but the password given is correct?

**ANSWER: 3**

10. Refer to the image below to answer the following question. What happens when Limit is equal to 3?

**ANSWER: Program goes back to login page**

# JAVA II

True or False: Evaluating the options require determining the advantages and disadvantages of each option. - **TRUE**

True or False: According to Hicks, the first step in an effective problem solving process is clearly defining the problem. - **TRUE**

Who among the following can give feedback to an employee? - **All of the choices**

True or False: In identifying the problem, it should be specific and not broad or vague. - **TRUE**

True or False: You should also look at the problem from a different point of view and listen to others' suggestion. This is the third step – listing all possible solutions. - **FALSE**

Which one of the following statements is FALSE? - **Communication involves talking and listening only.**

Few programmers are complaining about slow Internet connection and this affects their work. This cause is categorized in - **EQUIPMENT**

I've purchased a modern gaming mouse but it doesn't have a PS/2 plug. Where I connect it? **- D**

Windows is to Personal Computer (PC) while Mac OSX is to Mac laptops and computers. - **True**

COBOL stands for Convenient Business Oriented Language. - **False**

C++, an extension of the C language, introduced object-oriented programming. - **True**

LISP and PROLOG are programming languages that are best used when dealing with Artificial Intelligence. - True

FORTRAN was the first ever "modern" computer language. - **true**

I think I plugged the speakers wrong. The power is turned on but I can't hear any sound Which port should I check? **- F**

Enforcing environmental policies is one of the major causes of job loss and

unemployment. - **False**

True or False: Dates in file names should be written in YYYY-MM-DD format. - **False**

Big business companies are the only ones responsible for enforcing environmental policies since they can afford alternative cleaner technology. - **False**

Pre-review activities in the review process includes review planning, preparation and individual review. - **true**

Increase work productivity by arranging items in such a way that they are easy to find and pick up. - **true**

Montreal protocol protects the ozone layer by _____. - **phasing out harmful substances**

Business industries will not be affected by the environmental crisis. - **False**

True or False: Protocols are set of standards rules which describes how something should be done and different companies have different protocols as well. - **true**

Presidential Decree No. 856 is an international treaty that imposes limitations on the greenhouse gas emissions of several countries. - **True**

True or False: Organizational aims are different from the mission statement; they refer to the results an organization is aspiring for. - **true**

The cost / benefit analysis document is appropriately named. - **False**

A printed progress report to be submitted to the adviser. - **purpose**

True or False: Statutory requirements are identified by the vendors or suppliers and they include value, stability, diversity and capacity. - **False**

As long as the demands of the clients are met and the business is flourishing, there's no more need to bother about the effects of one's business to the environment. - **False**

Identify whether the statement is a strength, weakness, opportunity or threat: The student record system could be used by other schools other than Ricka's school. - **opportunity**

True or False: Reviewing the related literature includes review of concepts, theories and previous research findings. - **true**

Companies can freely make their own set of environmental policies without consulting the workers' union, or any local or national laws about it. - **False**

Kyoto protocol addresses environmental issues through the campaign of _____. - **reducing greenhouse gas emissions**

Humans rely on natural resources for survival. - **true**

Quantitative research, compared to qualitative research, uses measurable  - **Data**

ISO/IEC 25010:2011's product quality model has eight (8) major characteristics. - **true**

True or False: Usually, the summary of the report is the first thing that's being read. - **true**

_____ is when you conduct regular audits and inspections to evaluate your work performance. - **Shitsuke**

"XYZ is so cool! I tried to install it in my old computer and it still runs smoothly. Given that the computer's video card is a bit faulty." - **Reliability**

True or False: There are five main elements of a written report – topic, style, structure, facts and contents. - **false**

True or False: To gather data, you can either conduct an interview, survey, observation, mail questionnaire, coding and tabulation. - **false**


LONG QUIZ PROG-111

LONG QUIZ NO. 4

1. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"So far, XYZ has 2 updates and it is working smoothly. Some bugs were fixed and there have been improvements – like additional characters and skills."

ANSWER: Maintainability

2. One good practice is to use water filtration system instead of buying bottled water every time.

ANSWER: TRUE

3, Quality improvement process is conducted to avoid errors and faults from recurring in the future.

ANSWER: TRUE

4. Big business companies are the only ones responsible for enforcing environmental policies since they can afford alternative cleaner technology.

ANSWER: FALSE

5. Presidential Decree No. 856 is an international treaty that imposes limitations on the greenhouse gas emissions of several countries.

ANSWER: FALSE

6. Kyoto protocol addresses environmental issues through the campaign of _____.

ANSWER: reducing greenhouse gas emissions

7. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Testability

ANSWER: Maintainability

8. Pre-review activities in the review process includes review planning, preparation and individual review.

ANSWER: TRUE

9. _____ is when you conduct regular audits and inspections to evaluate your work performance.

ANSWER: Shitsuke

10. The Kyoto protocol requires the participation of both industrialized and developing nations in reducing environmental harm.

ANSWER: FALSE

11. This body was tasked to implement the provisions of P.D. No. 856.

ANSWER: DEPARTMENT OF HEALTH

12. Every country, whether industrialized or still developing, must actively cooperate in enforcing environmental measures.

ANSWER: TRUE

13. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"One good thing I find with XYZ as when my laptop shuts down accidentally, my game score and status can still be recovered. No need to repeat a level."

ANSWER: Reliability

14. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Accessibility

ANSWER: Usability

15. Seiri is making work easier by reducing unnecessary items to deal with.

ANSWER: TRUE

16. As long as the demands of the clients are met and the business is flourishing, there's no more need to bother about the effects of one's business to the environment.

ANSWER: FALSE

17. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"I find it really enjoying to play XYZ since I can invite my friends from social media profile. It works well with this social media app!"

ANSWER: Compatibility

18. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"XYZ is so cool! I tried to install it in my old computer and it still runs smoothly. Given that the computer's video card is a bit faulty."

ANSWER: Reliability

19. _____ is setting the best practices in the workplace as your work standards.

ANSWER: Seiketsu

20. The 5S Method is a Japanese perspective technique developed by Eiichiro Oda.

ANSWER: FALSER

21. Companies can freely make their own set of environmental policies without consulting the workers' union, or any local or national laws about it.

ANSWER: FALSE

22. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Interoperability

ANSWER: Compatibility

23. ISO/IEC 25010:2011's product quality model has eight (8) major characteristics.

ANSWER: TRUE

24. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Installability

ANSWER: Portability

25. According to Humphrey, a quality plan starts with product introduction where the product qualities and target market are identified.

ANSWER: TRUE

26. Environmental policies won't really make a difference, businesses will still strive and be successful without giving a care for the environment.

ANSWER: FALSE

27. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Recoverability

ANSWER: Reliability

28. Montreal protocol protects the ozone layer by _____.

ANSWER: phasing out harmful substances

29. Critical thinking skills is an essential skill which includes listening effectively, adapting communication skills and understanding underlying issues.

ANSWER: FALSE

30. Standards are based on untested concepts and theories that the company has yet to encounter.

ANSWER: FALSE

LONG QUIZ NO. 6

1. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
passingSCORE for a constant variable.

ANSWER: WRONG

2. Refer to the image below to answer the following question. What process is illustrated in the diagram?

ANSWER Social media login limit

3. Jamie finished debugging her program. What is the next step she should do?

ANSWER: Formalize the Solution

4. The following are statements that describe milestones in the programming language.
I. FORTRAN, the first modern computer language, was developed.
II. Java was released by Sun Microsystems
III. C was developed based on some of B's features.
IV. Ada Lovelace invented the first computer program for analytical engine application.
V. COBOL was created by the US Department of Defense
Which of the following shows the correct order of events?

ANSWER: IV, I, V, III, II

5. The set of rules that must be strictly followed when using a programming language is called

ANSWER: SYNTAX

6. Lizzy printed her reports in all the major subjects. She forgot if she has already printed her English report. What can she do to avoid printing it twice?

ANSWER: Right click on the printer and choose See what's printing.

7. Refer to the pseudocode below and answer the following question: If the calculated BMI results to 26, what will the program do?

ANSWER: display Overweight

8. You will find running application programs and process in the Task Manager.

ANSWER: TRUE

9. We were playing games locally and I got disconnected. I think something's wrong with this port.

ANSWER: E

10. Java is an example of

ANSWER: HIGH-LEVEL LANGUAGE

11. To check if your operating system is up to date, click Start then click Control Panel and choose _____.

ANSWER: Windows Update

12. C# was released by

ANSWER: MICROSOFT

13. He is known as the father of the Java programming language.

ANSWER: JAMES GOSLING

14. .MPEG, .MP3 and .MOV are filename extensions for videos.

ANSWER: FALSE

15. is a type of programming language that is composed of symbols and words that follow some rules similar to that of a natural language.

ANSWER: High-level language

16. Programs written in high-level languages are translated into machine-readable form using interpreters or compilers.

ANSWER: TRUE

17. was the first language implemented for BINAC.

ANSWER: Short Code

18. A deleted file or folder found in the Recycle Bin can still be restored.

ANSWER: TRUE

19. Even when you close all running application programs, there are still process running in the background.

ANSWER: TRUE

20. I found out that the keyboard is defective so I switched to the old keyboard which uses PS/2 port, where should I plug it in?

ANSWER: A

21. Refer to the pseudocode below and answer the following question: What happens after weight is given?

ANSWER: ASK FOR HEIGHT

22.  A_____is the code or language that allows a user to instruct a computer to perform specific tasks.

ANSWER: Programming Language

23. Refer to the image below to answer the following question. What type of image is shown?

ANSWER: FLOWCHART

24. My headset is working but the microphone is not. Which port should I check?

Answer: F;

25. Refer to the image below to answer the following question. What type of flowchart symbol contains the text "Limit >=3?"?

ANSWER: DECISION

26. Who is considered as a user (component of an operating system)?

ANSWER: ALL OF THE CHOICES

27. Over time, man's efforts to find better ways to communicate with computers resulted to the evolution of programming languages.

ANSWER: TRUE

28. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
studentAge for a variable name.

ANSWER: CORRECT

29. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
Employees for a table name.

ANSWER: WRONG

30. Refer to the pseudocode below and answer the following question: What if the computed BMI equals to 10, what will the program do?

ANSWER: PRINT UNDERWEIGHT


PROG-113A / ► Week 18: Designing PL/SQL / ► Short Quiz 14
Which of the following is the syntax to open a cursor varial
Answer: OPEN cursor_variable_name
FOR select_statement;
Which of the following is the syntax to define a REF CURSOR type?
Answer: TYPE ref_type_name IS REF CURSOR

[RETURN return_type];
Weak REF CURSOR is very flexible.
Answer: True
Evaluate the following. What will be the output?
DECLARE
SUBTYPE Accumulator IS NUMBER (4,2);
v_amount accumulator;
v_num1 NUMBER;
v_num2 NUMBER;
v_num3 NUMBER;
BEGIN
v_amount := 10.50;
v_num1 := 1;
v_num2 := 2;
v_num3 := 3;
v_num1 := v_amount;
v_num2 := v_num1 + v_amount;
v_num2 := v_num2 - v_num3;
dbms_output.put_line('Total is: ' || v_num2);
END;
Answer: 18
Which of the following is the syntax to fetch from a cursor variable?
Answer: FETCH cursor_variable_name INTO variable_name1
[,variable_name2,. . .] | record_name;
Fetch into a record when fetching from a cursor.
Answer: True
Which of the following is the syntax to close a cursor?
Answer: CLOSE cursor_variable_name;
This is a subset of an existing data type that may place a constraint on its base type.
Answer: Subtype
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.
Answer: False

PROG-113A / ► Week 18: Designing PL/SQL / ► Learning Activity 14

Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
Which of the following describes weak REF CURSOR?
Answer: Associates with any query
Restrictive, specifies a RETURN type, associates only with type-compatible queries are
description of a _____.
Answer: Strong REF CURSOR
Which of the following is INCORRECT about the guidelines for cursor design?
Answer: Use column aliases in cursors for calculated columns fetched into records declared with
%COLUMNTYPE.

This is a subset of an existing data type that may place a constraint on its base type.
Answer: Subtype


PROG-113A / ► Week 17: / ► Short Quiz 13
Evaluate the following PL/SQL.
CREATE OR REPLACE PROCEDURE query_employee
(p_id IN employees.employee_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN SELECT last_name, salary INTO p_name, p_salary
FROM employeesWHERE employee_id = p_id;
END query_employee
Answer: No error
Evaluate the following PL/SQL. Which of the following will line creates an error?
CREATE OR REPLACE PROCEDURE query_emp
(
p_department_id IN employees.department_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE
)
IS
BEGIN
SELECT last_name, salary, department_id INTO p_name, p_salary, p_department_id
FROM employees
WHERE salary >= p_salary AND department_id = p_department_id ;
END query_emp;
Answer: Line 3
These are local variables declared in the parameter list of a subprogram specification.
Answer: Formal parameter
Given the answer in item _____, which of the folllowing stored procedure will display the
employee id and salary of Steven King?
Answer: DECLARE
v_employee_id employees.employee_id%TYPE;
v_emp_sal employees.salary%TYPE;
BEGIN
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal,
'$999,999.00'));
END;

Which of the following stored procedure to create a procedure to that will be used to display the
employee id and salary of Steven King?
Answer: CREATE OR REPLACE PROCEDURE query_emp
(p_last_name IN employees.last_name%TYPE,

p_first_name IN employees.first_name%TYPE,
p_employee_id OUT employees.employee_id%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN
SELECT employee_id, salary INTO p_employee_id, p_salary
FROM employees
WHERE last_name = p_last_name AND first_name = p_first_name;
END query_emp;
What is the default parameter mode when no mode is specified?
Answer: IN

PROG-113A / ► Week 16: Creating Procedures / ► Learning Activity 13
Procedure can be stored in the database as a schema object.
Answer: True
The PL/SQL code block helps modularize code by using:
Answer: All of the choices
Which of the following command is used to create a stand-alone procedure that is stored in the Oracle database?
Answer: CREATE PROCEDURE
Which of the folllowing does NOT describes subprogram?
i. Compiled only once
ii. Stored in the database
iii. Do not return values
iv. Can take parameters
v. Unnamed PL/SQL blocks
Answer: iii & v
Which if the following is NOT a benefits of using modular program constructs?
Answer: None of the choices

PROG-113A / ► Week 18: Designing PL/SQL / ► Short Quiz 14
Which of the following is the syntax to open a cursor varial
Answer: OPEN cursor_variable_name
FOR select_statement;
Which of the following is the syntax to define a REF CURSOR type?
Answer: TYPE ref_type_name IS REF CURSOR
[RETURN return_type];
Weak REF CURSOR is very flexible.
Answer: True
Evaluate the following. What will be the output?
DECLARE
SUBTYPE Accumulator IS NUMBER (4,2);
v_amount accumulator;
v_num1 NUMBER;
v_num2 NUMBER;
v_num3 NUMBER;

BEGIN
v_amount := 10.50;
v_num1 := 1;
v_num2 := 2;
v_num3 := 3;
v_num1 := v_amount;
v_num2 := v_num1 + v_amount;
v_num2 := v_num2 - v_num3;
dbms_output.put_line('Total is: ' || v_num2);
END;
Answer: 18
Which of the following is the syntax to fetch from a cursor variable?
Answer: FETCH cursor_variable_name INTO variable_name1
[,variable_name2,. . .] | record_name;
Fetch into a record when fetching from a cursor.
Answer: True
Which of the following is the syntax to close a cursor?
Answer: CLOSE cursor_variable_name;
This is a subset of an existing data type that may place a constraint on its base type.
Answer: Subtype
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.
Answer: False

PROG-113A / ► Week 18: Designing PL/SQL / ► Learning Activity 14

Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
Which of the following describes weak REF CURSOR?
Answer: Associates with any query
Restrictive, specifies a RETURN type, associates only with type-compatible queries are
description of a _____.
Answer: Strong REF CURSOR
Which of the following is INCORRECT about the guidelines for cursor design?
Answer: Use column aliases in cursors for calculated columns fetched into records declared with
%COLUMNTYPE.
This is a subset of an existing data type that may place a constraint on its base type.
Answer: Subtype

PROG-113A / ► Week 15: Long Quiz / ► Long Quiz 3 (30/30)
(Correction)
How do you test the output of a PL/SQL block?
Answer: Use a predefined Oracle package and its procedure
Which of the folllowing statement describes PL/SQL?

Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language

Which of the following syntax to declare EXCEPTION named e_invalid_id?

Answer: e_invalid_id EXCEPTION;

In PL/SQL Block Structure, which of the following are mandatory?

Answer: BEGIN and END

This is a type of cursor which is created and managed internally by the Oracle server to process SQL statements

Answer: Implicit

PL/SQL stands for

Answer: Procedural Language extension to SQL

Which of the following PL/SQL will execute successfully?

Answer: DECLARE

v_salary INTEGER(20);

BEGIN

SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;

END;

What is the last clause in trapping exceptions?

Answer: WHEN OTHERS

PL/SQL Provides a block structure for executable units of _____.

Answer: Code

Evaluate the following PL/SQL.

DECLARE

v_email VARCHAR(20);

BEGIN

SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';

DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'

|| v_email);

EXCEPTION

WHEN TOO_MANY_ROWS THEN

DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');

END;

Answer: The PL/SQL block will run successfully.

Which of the folllowing is TRUE?

Answer: SQL code are embedded within PL/SQL statements

You can trap any error by including a corresponding handler within the exception-handling section of the PL/SQL block.

Answer: True

When an exception is user defined, the exception is raised _____ .

Answer: Explicitly

Evaluate the PL/SQL

DECLARE

v_first_name VARCHAR2(50);

v_last_name VARCHAR2(50);

v_salary INTEGER(20);

BEGIN

SELECT first_name, last_name, salary INTO v_first_name, v_last_name, v_salary FROM

employees WHERE department_id = 60;
DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
END;
Answer: Error in Line 6.
Evaluate the following PL/SQL.
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;
END;
Answer: The PL/SQL will delete employee number 114.
Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
What are the three PL/SQL block types?
Answer: Anonymous, Procedure, Function
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
You have been tasked to update the database by creating a PL/SQL to increase the salary of all
IT Programmer employees by 100% of their existing salary. Which of the following will execute
successfully?
Answer: DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary * 2 WHERE job_id = v_job_id;
END;
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
What is the exception name when single row SELECT returned no data.
Answer: NO_DATA_FOUND
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
Evaluate the following PL/SQL.
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;
END;
Answer: The PL/SQL will delete employee number 114.
In the DECLARE section of the PL/SQL block,
Answer: All of the choices
When an exception is predefined by Oracle server, the exception is raised _____ .
Answer: Explicitly
Which of the will display the Employee ID and number of years in service with employee ID
150?

Answer: DECLARE
v_salaryemployees.salary%TYPE := 10000;
v_employee_idemployees.employee_id%TYPE := 150;
v_years INTEGER(10);
BEGIN
SELECT employee_id, ROUND((SYSDATE - hire_date) /365,0) INTO v_employee_id, v_years
FROM employees WHERE employee_id = v_employee_id ;
DBMS_OUTPUT.PUT_LINE('Employee ID:' || v_employee_id);
DBMS_OUTPUT.PUT_LINE('Number of years : ' || v_years);
END;
Actions are being performed when error occurs during PL/SQL execution in the
Answer: EXCEPTION
You can use this procedure to issue user-defined error messages from stored subprograms.
Answer: RAISE_APPLICATION_ERROR

PROG-113A / ► Week 14: Handling Exceptions / ► Short Quiz 12

Evaluate the following PL/SQL.
DECLARE
v_email VARCHAR(20);
BEGIN
SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';
DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'
|| v_email);
EXCEPTION
WHEN TOO_MANY_ROWS THEN
DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');
END;
Answer: The PL/SQL block will run successfully.
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
What is the exception name when single row SELECT returned no data.
Answer: NO_DATA_FOUND
RAISE_APPLICATION_ERROR is used in two different places. These are
_____.
Answer: Executable and exceptions section
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR

Evaluate the following PL/SQL. At what line number is the error of the PL/SQL?
DECLARE
v_deptno NUMBER := 800;
e_invalid EXCEPTION;
BEGIN
DELETE FROM departments
WHERE department_id = v_deptno;
IF SQL % NOT_FOUND THEN
RAISE e_invalid;
END IF;
COMMIT;
EXCEPTION
WHEN e_invalid THEN
DBMS_OUTPUT.PUT_LINE('No such department id.');
END;
Answer: 7
What is the last clause in trapping exceptions?
Answer: WHEN OTHERS
Complete the diagram in Trapping Non-Predefined Oracle Server Errors.
Answer: Declare, Associate, Reference

PROG-113A / ► Week 14: Handling Exceptions / ► Learning Activity 12

You can use this procedure to issue user-defined error messages from stored subprograms.
Answer: RAISE_APPLICATION_ERROR
Which of the following syntax to declare EXCEPTION named e_invalid_id?
Answer: e_invalid_id EXCEPTION;
When an exception is predefined by Oracle server, the exception is raised _____ .
Answer: Explicitly
When an exception is user defined, the exception is raised _____ .
Answer: Explicitly
You can trap any error by including a corresponding handler within the exception-handling section of the PL/SQL block.
Answer: True

PROG-113A / ► Week 13: Interacting with Oracle Server / ► Learning Activity 11

Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
Evaluate the following PL/SQL.
1 DECLARE

2 v_employee_id employees.employee_id%TYPE := 114;

3 BEGIN

4 DELETE employees WHERE employee_id = v_employee_id;

5 END;

Answer: The PL/SQL will delete employee number 114.

Which of the following PL/SQL that will display the total number employees whose salary is 10000 and above?

Answer: DECLARE

v_salary employees.salary%TYPE := 10000;

BEGIN

SELECT COUNT(*) INTO v_salary FROM employees WHERE salary >= v_salary;

DBMS_OUTPUT.PUT_LINE(v_salary);

END;

This is a type of cursor which is created and managed internally by the Oracle server to process SQL statements

Answer: Implicit

You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by twice of their existing salary. Which of the following will execute successfully?

Answer: DECLARE

v_job_id employees.job_id%TYPE := 'IT_PROG';

BEGIN

UPDATE employees SET salary = salary * 2 WHERE job_id = v_job_id;

END;

PROG-113A / ► Week 12: Introduction to PLSQL / ► Short Quiz 10

Which of the folllowing is TRUE?

Answer: SQL code are embedded withing PL/SQL statements

In the DECLARE section of the PL/SQL block

Answer: All of the choices

In PL/SQL Block Structure, which of the following are OPTIONAL?

Answer: None of the choices

What are the three PL/SQL block types?

Answer: Anonymous, Procedure, Function

How do you test the output of a PL/SQL block?

Answer: Use a predefined Oracle package and its procedure

You want to display the name, salary and tax of employee #150. Which of the PL/SQL will execute successfully? Note tax is computed as 2% of the salary.

Answer: DECLARE

v_first_name VARCHAR2(50);

v_last_name VARCHAR2(50);

v_salary INTEGER(20);

v_tax INTEGER(10);

BEGIN

SELECT first_name, last_name, salary, salary * 0.02 INTO v_first_name, v_last_name, v_salary, v_tax FROM employees WHERE employee_id = 150;

DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
DBMS_OUTPUT.PUT_LINE('Tax : '|| v_tax);
END;
Which of the folllowing statement describes PL/SQL?
Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language

PROG-113A / ► Week 12: Introduction to PLSQL / ► Learning Activity 10
PL/SQL stands for
Answer: Procedural Language extension to SQL
PL/SQL Provides a block structure for executable units of _____.
Answer: Code
In PL/SQL Block Structure, which of the following are mandatory?
Answer: BEGIN and END
Which of the following PL/SQL will execute successfully?
Answer: DECLARE
v_salary INTEGER(20);
BEGIN
SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;
END;
Actions are being performed when error occurs during PL/SQL execution in the
Answer: EXCEPTION

PROG-113A / ► Week 11: Using Subqueries to Solve Queries / ► Short Quiz 9

You want to display the department name the same with the location of the Purchasing
department.
Answer: SELECT department_name from departments where location_id = (SELECT
location_id from departments where department_name = 'Purchasing')

Evaluate the SQL command
SELECT employee_id, job_id, salary from employees where salary < ALL (SELECT salary
FROM employees WHERE job_id = 'FI_ACCOUNT') AND job_id = 'IT_PROG'
Answer: This has no error.

You want to display all records in the database whose salary is above the salary of Alexander
Hunold.
Answer: SELECT * from employees WHERE salary < (SELECT salary FROM employees
WHERE first_name = 'Alexander' AND last_name = 'Hunold')

Evaluate the SQL command
SELECT employee_id, last_name, first_name, job_id FROM employees WHERE department_id

= (SELECT max(department_id) FROM employees GROUP BY department_id)
Answer: This will return an error. Single-row subquery returns more than one row.

You want to display all employee id, name, hired date and salary who are hired after employee 104 was hired.
Answer: SELECT employee_id, last_name, hire_date, salary FROM employees WHERE TO_NUMBER(TO_CHAR(hire_date, 'YYYY')) >
(SELECT TO_NUMBER(TO_CHAR(hire_date, 'YYYY')) FROM employees WHERE employee_id = 104)

Which of the following is INCORRECT?
Answer: Use single-row operators with multiple-row subqueries
Which of the folllowing is required in a subquery?
Answer: SELECT
Which of the following is CORRECT about sub-queries?
Answer: Subquery execute before the main query executes.
Evaluate the SQL Command
SELECT job_id, job_title FROM jobs J WHERE INCLUDES
(SELECT * FROM employees WHERE J.job_id = e.job_id );
Answer: The SQL will return an error. Invalid "INCLUDES" parameter.
Evaluate the SQL command
SELECT employee_id, salary from employees where salary = ANY (SELECT salary FROM employees WHERE job_id = 'IT_PROG') AND job_id = 'ST_CLERK'
Answer: This has no error.

True or False: Foreign co-workers having conversation issues with everyone in the office are better left off on their own.
A: False

True or False: Presentations must be interesting, lively and engaging.
Answer: true

True or False: You can do as you please in the workplace, just remember to show that you working hard only when the boss is around.
Answer: false

True or False: Understanding everyone's interest is the second step in the problem solving process. This is when you choose the optimal solution.

Answer: false

These kind of words or terms are often discouraged to be used during a presentation, especially if the audience is not that familiar with programming terms.
A: technical words

Referring to the figure below, determine if the statement is TRUE or FALSE.

The first version of the risk management file should be named Risk Management V01.
A: true

PROG-113A / ► Week 20: Second Quarter Exam / ► Second Quarter Exam (50/50) (PS: Pabago bago ang questions, pero same lang sa ibang short quizes or learning activity yung questions and sagot) ❤️ 😃

Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
You want to display all the records of employee the same with the salary employee number 103.
Answer: SELECT * FROM employees WHERE salary = (SELECT salary from employees where employee_id= 103)
Which of the following stored procedure to create a procedure to that will be used to display the employee id and salary of Steven King?
Answer: CREATE OR REPLACE PROCEDURE query_emp
(p_last_name IN employees.last_name%TYPE,
p_first_name IN employees.first_name%TYPE,
p_employee_id OUT employees.employee_id%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN
SELECT employee_id, salary INTO p_employee_id, p_salary
FROM employees
WHERE last_name = p_last_name AND first_name = p_first_name;
END query_emp;
Which of the folllowing is TRUE?
Answer: SQL code are embedded within PL/SQL statements
When an exception is user defined, the exception is raised _____ .
Answer: Explicitly
Which of the folllowing is TRUE?
Answer: SQL code are embedded withing PL/SQL statements
Weak REF CURSOR is very flexible.
Answer: True
How do you test the output of a PL/SQL block?
Answer: Use a predefined Oracle package and its procedure
Restrictive, specifies a RETURN type, associates only with type-compatible queries are description of a _____.

Answer: Strong REF CURSOR

Which of the following DOES NOT describes an exception?

Answer: Exception is a PL/SQL error that is raised before program execution.

These are local variables declared in the parameter list of a subprogram specification.

Answer: Formal parameter

Which of the following rules is INCORRECT about cursor variables?

Answer: None of the choices.

When an exception is predefined by Oracle server, the exception is raised _____ .

Answer: Explicitly

Which of the following DOES NOT describes an exception?

Answer: Exception is a PL/SQL error that is raised before program execution.

Evaluate the following PL/SQL.

CREATE OR REPLACE PROCEDURE query_employee
(p_id IN employees.employee_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN SELECT last_name, salary INTO p_name, p_salary
FROM employeesWHERE employee_id = p_id;
END query_employee

Answer: No error

You want to know the total number of employees whose firstname starts with letter D.
Which of the folllowing PLS/SQL executes successfully?

Answer: DECLARE
v_first_name employees.first_name%TYPE := 'D%';
BEGIN
SELECT COUNT(*) INTO v_first_name FROM employees WHERE first_name LIKE v_first_name;
DBMS_OUTPUT.PUT_LINE(v_first_name);
END;

What is the error trapping function that returns the numeric value of the error code?

Answer: SQLCODE

You want to display the name, salary and tax of employee #150. Which of the PL/SQL will execute successfully? Note tax is computed as 2% of the salary.

Answer: DECLARE
v_first_name VARCHAR2(50);
v_last_name VARCHAR2(50);
v_salary INTEGER(20);
v_tax INTEGER(10);
BEGIN
SELECT first_name, last_name, salary, salary * 0.02 INTO v_first_name, v_last_name, v_salary,
v_tax FROM employees WHERE employee_id = 150;
DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
DBMS_OUTPUT.PUT_LINE('Tax : '|| v_tax);
END;

Which of the following is the syntax to close a cursor?

Answer: CLOSE cursor_variable_name;

Which of the following rules is INCORRECT about cursor variables?

Answer: None of the choices.

What are the three PL/SQL block types?

Answer: Anonymous, Procedure, Function

You can trap any error by including a corresponding handler within the exception-handling section of the PL/SQL block.

Answer: True
Which of the following describes weak REF CURSOR?
Answer: Associates with any query
Given the answer in item _____, which of the folllowing stored procedure will display the employee id and salary of Steven King?
Answer: DECLARE
v_employee_id employees.employee_id%TYPE;
v_emp_sal employees.salary%TYPE;
BEGIN
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal, '$999,999.00'));
END;
You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by 50% of their existing salary.
Which of the following will execute successfully?
Answer: DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary *0.50 WHERE job_id = v_job_id;
END;
Which of the folllowing is required in a subquery?
Answer: SELECT
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
In the DECLARE section of the PL/SQL block,
Answer: All of the choices
Actions are being performed when error occurs during PL/SQL execution in the
Answer: EXCEPTION
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
Which of the folllowing statement describes PL/SQL?
Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language
Evaluate the following PL/SQL.
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;
END;
Answer: The PL/SQL will delete employee number 114.
Which of the following command is used to create a stand-alone procedure that is stored in the Oracle database?
Answer: CREATE PROCEDURE
Evaluate the following PL/SQL.
DECLARE
v_email VARCHAR(20);
BEGIN
SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';
DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'
|| v_email);
EXCEPTION
WHEN TOO_MANY_ROWS THEN
DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');

END;
Answer: The PL/SQL block will run successfully.
Which of the following is the syntax to define a REF CURSOR type?
Answer: TYPE ref_type_name IS REF CURSOR
[RETURN return_type];
The PL/SQL code block helps modularize code by using:
Answer: All of the choices
Which of the following is the syntax to fetch from a cursor variable?
Answer: FETCH cursor_variable_name INTO variable_name1
[,variable_name2,. . .] | record_name;
You want to display all records in the database whose salary is above the salary of Alexander
Hunold.
Answer: SELECT * from employees WHERE salary < (SELECT salary FROM employees WHERE
first_name = 'Alexander' AND last_name = 'Hunold')
Procedure can be stored in the database as a schema object.
Answer: True
In PL/SQL Block Structure, which of the following are mandatory?
Answer: BEGIN and END
PL/SQL stands for
Answer: Procedural Language extension to SQL
Which of the following is CORRECT about sub-queries?
Answer: Subquery execute before the main query executes.
Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
PL/SQL Provides a block structure for executable units of _____.
Answer: Code
Evaluate the SQL command
SELECT employee_id, salary from employees where salary = ANY (SELECT salary FROM
employees WHERE job_id = 'IT_PROG') AND job_id = 'ST_CLERK'
Answer: This has no error.
Which of the following PL/SQL will execute successfully?
Answer: DECLARE
v_salary INTEGER(20);
BEGIN
SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;
END;
In PL/SQL Block Structure, which of the following are OPTIONAL?
Answer: None of the choices
Evaluate the following PL/SQL. At what line number is the error of the PL/SQL?
DECLARE
v_deptno NUMBER := 800;
e_invalid EXCEPTION;
BEGIN
DELETE FROM departments
WHERE department_id = v_deptno;
IF SQL % NOT_FOUND THEN
RAISE e_invalid;
END IF;
COMMIT;
EXCEPTION
WHEN e_invalid THEN
DBMS_OUTPUT.PUT_LINE('No such department id.');
END;

Answer: 7

What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE

Fetch into a record when fetching from a cursor.
Answer: True

**LA2**

Display the name, jobs id and salary of the all the employees whose department id is 100 and salary is below 8000. Arrange the output by salary in ascending order.
**SELECT first_name, last_name, salary FROM employees WHERE department_id = 100 AND salary < 8000 ORDER BY salary**

Display employee's name and id whose firstname starts with letter D and job id is SA_REP. Sort the output by department.
**SELECT employee_id, first_name, last_name FROM employees WHERE first_name LIKE 'D%' and job_id = 'IT_PROG' ORDER BY department_id**

List all the employee_id of all employees whose salary is 5000 and below and belong to department 60 or 100.
**SELECT employee_id,salary, department_id FROM employees WHERE salary < 5000 AND department_id IN (60,100)**

--------------------------------------
**SQ2**

Display all the records sorted by price from most expensive to the cheapest parts.
**SELECT * FROM parts ORDER BY price DESC**

Display all the records whose stock is below 20 and in warehouse number 3.
**SELECT * FROM parts WHERE onhand< 20 AND warehouse = 3;**

Ronnie is the stockman in the warehouse of ATR Corporation. The General Manager wants to know the parts whose price is above 10000 and above. Which of the following SQL command that Ronnie will run to generate the list.
**SELECT * FROM parts WHERE price >= 10000;**

Which of the following SQL command will display all records with class code of AP?
**SELECT * FROM parts WHERE class = 'AP';**

Which of the following SQL commands will display all stocks whose class is HW or AP.
**SELECT * FROM parts WHERE IN class ('HW', 'AP');**

---------------------------------------
**LA3**


Display the first 5 letter in the surname of all the employees whose firstname starts with letter 'D'
**SELECT SUBSTR(last_name,1,5), first_name FROM employees WHERE SUBSTR(first_name,1,1) = 'D'**

Display the employee id, number of years and the hiring date of every employee in the company.
**SELECT employee_id, hire_date, ROUND((SYSDATE - hire_date) /365,0) FROM employees;**

Every employee will get a bonus of 150% of his/her current salary. Display the employee id, salary and the bonus of every employee. Label the computed bonus with Bonus
**The correct answer is: SELECT employee_id, salary, salary * 1.5 AS Bonus FROM employees**


---------------------------------------
**SQ3**


Display the montly salary of every employee. Round the salary in 2 decimal places.
**SELECT ROUND( (salary/12),2 ) FROM employees;**

Display the total number of characters of the last name of all the employees.
**SELECT LENGTH(last_name) FROM employees;**

Display the first 3 letter in the first name of all the employees.
**SELECT SUBSTR(first_name,1,3) FROM employees;**

Display the last day of the month and the hiring date when the employees are hired in the company.
**SELECT LAST_DAY(hire_date), hire_date FROM employees;**

---------------------------------------
**LA4**


You want to display the employee id and the year when an employee was hired.
Which SQL statement give the required output?
**SELECT employee_id, TO_CHAR(hire_date,'YYYY') FROM employees;**

You want to display the employee id and the month an employee was hired.
Which SQL statement give the required output?
**SELECT employee_id, hire_date, TO_CHAR(hire_date,'Month') AS "Hired Month" FROM employees;**

You want to display the employee's last name whose salary is below 10,000.

Which SQL statement give the required output format of the salary?
Required output :
**SELECT last_name, TO_CHAR(salary, '$999,999.99') AS "MONTHLY SALARY" FROM employees WHERE salary < 10000**

-------------------------------------
**SQ4**

You want to display the last name and the year when an employee was hired whose job id is IT_PROG. Which SQL statement give the required output?
**SELECT last_name, TO_CHAR(hire_date,'YYYY') FROM employees WHERE job_id = 'IT_PROG';**

You want to display all the employee id and the month an employee was hired excluding employees whose job id is AD_VP. Which SQL statement give the required output?
**SELECT employee_id, hire_date, TO_CHAR(hire_date,'Month') AS "Hired Month", job_id FROM employees WHERE job_id NOT IN ('AD_VP');**

You want to display the employee's id and formatted date hired as shown below.
Which SQL statement give the required output?
Required output :
**SELECT employee_id, TO_CHAR(hire_date, 'fmMonth DD, YYYY') AS "Hired Date" FROM employees;**

-------------------------------------
**LA5**

The General Manager request to the Database Administrator to generate the total salary per month of every department in the company.
**SELECT department_id, SUM(salary) FROM employees GROUP BY department_id**

Ms. Ella what to generate the average salary of all employees whose job function is IT_PROG.
Which of the following SQL command will produce the output.
**SELECT AVG(salary) FROM employees WHERE job_id = 'IT_PROG';**

Aldrin wants to know the highest salary in every department. Which of the following SQL command will display the required output?
**SELECT department_id, MAX(salary) FROM employees GROUP BY department_id**

What is the SQL command to display the date of the first employee that was hired?
**SELECT MIN(hire_date) FROM employees;**

John want to know how many employees receiving salary below 10,000. What SQL command he need to run?

**SELECT COUNT(*) FROM employees WHERE salary < 10000;**

----------------------------------------
**LQ1**

John want to know how many part items are there in warehouse number 3.
What SQL command he need to run?
**SELECT COUNT(*) FROM parts WHERE warehouse = 3;**

Which of the following SQL command will display all records with part number contains the number 9?
**SELECT * from parts WHERE partnum LIKE '%9%'**

What will be the output of the following SQL?
SELECT * FROM parts WHERE (warehouse = 1 or warehouse = 2) AND class IN ('HW', 'AP') AND (price >
200 AND price < 500);
**2 rows returned**

What will be the output of the SQL command?
SELECT SUM(onhand) FROM PARTS where class = 'HW' OR class = 'AP' AND warehouse = 1;
**137**

There was 10% price increase in the all the parts in warehouse number 3. The Store Manager asked the
Database Administrator to generate a report showing the part number, the old and new price.
Which of the following SQL statement would satisfy the requirement of the Store Manager.
**SELECT partnum, price, price * 1.1 FROM parts WHERE warehouse = 3**

Which of the following SQL command will display the summary table showing the total quantity on hand
per class.
**SELECT class, sum(onhand) AS "QTY ON HAND" FROM parts GROUP BY class**

Aldrin wants to know the outstanding total balance on hand on every class per warehouse.
**SELECT warehouse, class, sum(onhand) FROM parts GROUP BY warehouse, class**

----------------------------------------
**LA6**

The HR Manager instruct the Database Officer to display employee's name and the minimum and
maximum salary the employee can received. Which of the following SQL command will generate the
output?
**SELECT first_name, last_name, job_id, min_salary, max_salary FROM employees JOIN jobs USING
(job_id);**

What will be the output of the SQL command below?
SELECT first_name, last_name, job_title FROM employees CROSS JOIN jobs ORDER BY last_name;
 **A Cartesian product**

What will be the output of the SQL command below?
SELECT last_name, job_id, job_title FROM employees NATURAL JOIN jobs
**List of names and job title of matched records from the employees and jobs table**

---------------------------------------
**SQ6**

Given the SQL command
SELECT * FROM employees JOIN departments USING (department_id)
Which of the following describes the SQL command?
**Joined table from the employees and department table**

Display the location id of all employee's name and salary whose salary is from 5000 to 10000.
**SELECT first_name, last_name, salary FROM employees JOIN departments USING (department_id)
WHERE salary >= 5000 AND salary <= 10000**

Display the manager id and employee id of every employee
**SELECT E.employee_id, D.manager_id FROM employees E JOIN departments D ON E.department_id =
D.department_id**

Given the SQL command
SELECT employees.first_name, employees.last_name, employees.salary,departments.department_name
FROM employees, departments
WHERE employees.department_id = departments.department_id;
Which of the following describes the SQL command?
**List of employees name, salary and department name**

---------------------------------------
**LA7**

Remove the Shareholder Services department in the department table
**DELETE FROM departments WHERE department_name = 'Shareholder Services'**

A new department name Training with department id 300 was created in the company. This will be
managed by a Manager with ID of 203 and will located at location id 2400.
Create a SQL command to update the information in the department table.
**INSERT INTO departments VALUES (300, 'Training', 203, 2400)**

Create a SQL command to add a new position Database Administrator with job id of DB_ADMIN whose salary ranges from 10,000 to 18,000.
**INSERT INTO jobs VALUES ('DB_ADMIN', 'Database Administrator', 10000, 18000)**

Remove all Manager positions in the department table.
**DELETE FROM jobs WHERE job_title LIKE '%Manager%';**

----------------------------------------
**SQ7**

Create a SQL command to add a new position Java Developer with job id of JAVA_DEV whose salary ranges from 7,000 to 8,000.
**INSERT INTO jobs VALUES ('JAVA_DEV', 'Java Developer', 7000, 8000)**

Add a 500 pesos increase in salary of all employees who have rendered services 10 years and above.
**UPDATE employees SET salary = salary + 500 where TO_CHAR(sysdate,'YYYY') - TO_CHAR(hire_date,'YYYY') >= 10**

Which of the following DOES NOT describes the state of the data after the COMMIT command
**None of the choices**

Which of the following describes the command below?
SELECT * FROM employees WHERE department = 60 FOR UPDATE
**Locks the rows in the EMPLOYEES table with department id is 60.**

Which of the following will erase all records in the departments table
**TRUNCATE TABLE departments**

SQL command to create a marker in the current transaction.
**SAVEPOINT**

Nathaniel had accidentally deleted all the records in the newly updated ORACLE database using the DELETE SQL command. What is the best solution that he can do to restore all the deleted records in the database.
**Run the ROLLBACK command**

----------------------------------------
**LA8**

Which of the following will grant a query privileges on the STUDENT table
**GRANT select ON student TO matt**

You want to cancel the privilege of matt to add records from the employees table.
**REVOKE insert ON employees FROM matt;**

This has the highest level of privileges for task such as creating new users, removing users and tables and backing up tables.
**DBA**

----------------------------------------

**SQ8**

TRUE OR FALSE.
An owner has all the privileges on the object.
**True**

Which of the following provide privilege to update the employees table?
**GRANT update (salary) ON employees TO matt**

Which of the following will is the correct command to create a role.
**CREATE ROLE gen_manager**

Matt wants to change his password from 1234 to abcd.
Which of the following will perform the task?
**ALTER USER matt IDENTIFIED abcd;**

The DBA will create a new user name sales.
Which of the following SQL command will perform the creation?
**CREATE sales ACCESS 1234**

Which of the following SQL command that the DBA will run to provide Matt to create a table in the Oracle Database.
**GRANT create table TO matt**

What privileges that manipulates the content of the database objects.
**Object Privileges**

----------------------------------------

**1st Q Exam**

Evaluate the following SQL command
SELECT employee_id, salary, department_id FROM employees WHERE department_id IN (60,70)
**The SQL command will display employees with department id 60 or 70.**

True or False. The AND, OR, NOT are comparison operators.

**False**

What is the SQL command to count the number of records in the employees table?
**SELECT COUNT(*) FROM employees**

What will be the SQL command if every employee will be given a productivity bonus which is equivalent to 3% of the monthly salary?
Display the employee id, salary and the productivity bonus.
**SELECT employee_id, salary, salary * .03 FROM employees**

Display the employee id, salary, number of years and the hiring date of every employee in the company.
**SELECT employee_id, salary, hire_date, ROUND((SYSDATE - hire_date) /365,0) FROM employees;**

You what to generate the average salary of all employees whose job function is FI_ACCOUNT.
Which of the following SQL command will produce the output.
**SELECT AVG(salary) FROM employees WHERE job_id = 'FI_ACCOUNT';**

You want to display all the job position titles whose salary is salary from 5,000 to 12,000 arrange from highest to lowest
**SELECT job_title FROM jobs WHERE min_salary >= 5000 AND max_salary<= 10000**

List all employees except for IT_PROG job id.
**All of the choices**

Austin David was transferred to Purchasing Department. You are assigned to update the database.
Which of the following SQL command will satisfy the requirements?
**UPDATE employees SET department_id = 30 WHERE first_name = 'David' AND last_name = 'Austin'**

Display the lastname of every employee in the company. Display the output in a single column and label it as Fullname
Format: JuanReyes
**SELECT CONCAT(first_name, last_name) AS Fullname FROM employees**

Evaluate the following SQL command
SELECT * FROM jobs WHERE job_title LIKE 'Manager%'
**No records will be displayed**

Display all the records in the employee table. Arrange the output in by lastname from A-Z order.
**SELECT * FROM employees ORDER BY lastname**

You want to generate the total salary per month of every department in the company.
**SELECT department_id, SUM(salary) FROM employees GROUP BY department_id**

You want to display the employee's last name whose salary is below 10,000 and whose lastname starts with letter D.

Which SQL statement give the required output format of the salary?
**SELECT last_name, TO_INTEGER(salary, $999,999.99) AS "MONTHLY SALARY" FROM employees WHERE salary < 10000 WHERE last_name IN 'D%'**


In creating Joins,the NATURALJOIN and USING clauses are_____
**Mutually Exclusive**

Display employee id, lastname, firstname, department name, annual salary, location id of employees whose location id is 1700 and working in Finance Department. Label the annual salary to ANNUAL SALARY.
Sort the output in from highest to lowest salary. (4 POINTS)
**SELECT E.employee_id, E.last_name, E.first_name, D.department_name, E.salary*12 AS "ANNUAL SALARY", D.location_id**
**FROM employees E**
**JOIN jobs J ON E.job_id = J.job_id**
**JOIN departments D ON E.department_id = D.department_id**
**WHERE D.location_id = 1700 AND D.department_name = 'Finance'**
**ORDER BY "ANNUAL SALARY" DESC**


Question text
Observe the following statements and decide whether the variable result's value is TRUE or FALSE.

Given that:
int x = -77;
int z = 43;
result = (z < x && 1 != 10) ? true : false;
result = (z != 43) ? true : false;
Select one:
False

Question text
Read each statement carefully and decide whether it's TRUE or FALSE.
The last line of code, with a close brace { symbol, is properly indented.
Select one:
False

Question text
True or False: Brackets [] are also separators used in declaring arrays.
Answer:
True

Question text
Refer to the block of codes below. Read each statement carefully and decide whether it's TRUE or FALSE.
There is an error in line 9.
Answer:
TRUE

Question text
True or False: Operators, in Java programming language, use special symbols to call methods and their objects.
Answer:
False

Question text
Read each statement carefully and decide whether it's TRUE or FALSE.
There are no errors in the program.
Select one:
False

Question text
Refer to the block of codes below. Read each statement carefully and decide whether it's TRUE or FALSE.
Line 9 uses a traditional comment which uses double forward slash.
Answer: False

Question text
True or False: Many programmers can be literate with Java programming language for it is intended to be that way.
Answer:
True

Question text
True or False: You'll know there's an error if you see a red circle with an exclamation point in Netbeans IDE.
Answer:
True

Question text
Observe the following statements and decide whether the variable result's value is TRUE or FALSE.

Given that:
int x = -77;
int z = 43;
result = (z < x && 1 != 10) ? true : false;
result = (x = 100) >= z;
Select one:
True

The file is accurately named – Students.java.

-false

There are three (3) separators found in line 13.

-FALSE

There is an error in line 9.

-True

result = 90 < x || -1 < z;

-True

The last line of code, with a close brace { symbol, is properly indented.

-False

Assuming there are no errors in the code, line 13 would display When I graduate, I'd be 18.

-True

Figure 2 shows the Netbeans Integrated Development Environment.

-True

The last line of code will output 100.0.

-True

True or False: An exclamation point in Java means NOT. Therefore, != means not equal to.

-True

There are two types of comments used in the program above – end of line and Javadoc comments.

-True

result = (z < x && 1 != 10) ? true : false;

-False

There are keywords found in line 7.

-True

In line 11, the value of personage is 18.

-TRUE

If there are no errors in the program, the first line of output would read Hi, I'm a normal person.

-False

result = (x * z + (z += 7)) >= 100;

-False

True or False: Logical OR operator will result to false if one of the expressions is false.

-False

True or False: Semicolon (;) is a separator used to end a Java statement.

-True

True or False: There are five types of integer data types – byte, short, int, long and float.

-False

True or False: Single equal sign (=) is used for assigning values while double equal sign (==) is used in comparing values.

-True

True or False: Java's ternary operator is a short hand for the if-then-else statement which uses a question mark and a colon.

-True

True or False: JDK or Java Design Kit is required to compile and run Java apps and applets.

-True

On line 6, **average** is equal to 0. But on line 9, **average** will be equal to 100.

-False

True or False: Identifiers in Java are, in simple words, name that you give to Java class, variables and methods.

-True

True or False: When you run javac in a command line interface, it will automatically create another file with a filename extension .class.

-True

Line 9 uses a traditional comment which uses double forward slash.

-FALSE

There are five (5) separators used in line 8.

-TRUE

There are no errors on line 8.

-FALSE

True or False: Syntax is basically the spelling and grammar errors compiled in a Java programming language. It should be avoided in writing apps and applets.

-False

True or False: Operators, in Java programming language, use special symbols to call methods and their objects.

-False

If you run this program, the second line of output will read **Your score is:**.

-True

True or False: Java is a low level programming language.

-False

There are also punctuators used in line 10, in between System, out and println, the parentheses and semicolon.

-TRUE

If there are no errors and this simple program runs through CLI, the first line will display: Hi, students!

-False

True or False: Brackets [] are also separators used in declaring arrays.

-True

Substrings can contain 1 or 2 arguments.

-true

Determine the output.

-bar

The index of the letter "y" in string "Doggy" is 5.

-False

Determine the output.

-foo

TRUE OR FALSE: The value "val_3" is a white space " ".

-False

True or False: Variable 1st_num is a good variable name in Java programming.

-False

TRUE OR FALSE: "val_2" contains "The"

-True

True or False: Instance variables are declared inside a method but outside a class.

-False

True or False: Variable names in Java are not necessarily case sensitive.

-False

Determine the output

-36

True or False: Public, private and protected are some of the return types used in Java programming.

-False

True or False: Divide and conquer strategy, in programming, is also known as the top-down design.

-True

If there are no errors in the program, line 9 would display I weigh 160.

-False

True or False: A boolean variable can only have two values; it is either true or false.

-True

result = !((x * 10) < z);

-False

result = -(-z) == 43;

-True

True or False: If you get an error while running the javac command in the CLI, it could be resolved by editing the Path value in Environment Variables.

-True

True or False: The subtraction assignment operator subtracts the left and right operand and assigns the difference to the operand at the right.

-False

```
x += x;
result = x == 154;
```

-False

The second line of output will be: You are in Year 11.

-True

True or False: The conditional AND operator uses two ampersand (&&) symbols.

-True

```
result = 43 <= z;
```

-True

True or False: You'll know that a variable is a class variable when you see that variable inside a class with the word static.

-True

The string method "length( )" returns the number of characters within a string.

-True

A string can contain numbers.

-True

TRUE OR FALSE: This is an example of concatenation.

-True

TRUE OR FALSE: The value of "val_4" is "fox"

-False

TRUE OR FALSE: "val_2" contains "The".

-True

Determine the output.

-f6

Languages which use procedural programming include C, (Answer) FORTRAN, Pascal and BASIC.

-C++

True or False: Local variables are declared inside the default method.

-False

Strings can be declared with str.

-False

True or False: Procedural programming involves instructing the system as to how to complete a task.

-True

TRUE OR FALSE: The output of this code is "The quick brown fox"

-False

Among the expressions below which is a statement?

-True

Expressions can be long and complex.

-true

number++; is an expression

-true

For-loops has a set number of iterations before starting.

-True

The equals( ) method can compare more than 2 arrays.

-False

While loops can use Booleans at test expressions.

-True

The test expression of the if statement is _____

-less than or equal to

There are four (4) major features of an object-oriented programming language – encapsulation, inheritance, polymorphism and abstraction.

-True

Using a break; statement causes the loop to jump to the next iteration.

-False

x+1 is example of a statement.

-False

number++; is a block

-False

Arrays are

-Integers

The operator "new" allocates a memory block the size of what is declared.

-true

A class block can be an expression

-False

Statements can be expressions.

-False

Integer arrays can be populated with characters.

-False

Declaration clauses are declared as "number + 1".

-False

Loops can be stopped with a break; statement.

-True

The equivalent of Paragraphs in coding is?

-Expressions

If statements cannot be nested in switches

-true

The length( ) method returns the size (number of indices) has.

-True

When polymorphism is used, the Java object can only take one form. Subclasses should have the same function with the parent class.

-False

Arrays can contain (Answer) number of elements.

-Any

"||" and "&&" can be used in conditional statements.

-True

A class statement has three (3) major parts – declaration, initialization and instantiation.

-False

Declaring an object in Java uses the new keyword to create a new object.

-False

Please refer to Figure 2 to answer the question below: If the expression "num = 0" is changed to "num = 5" the final output will be

-5

Expressions can be statements.

-True

Blocks can contain more blocks of code.

-True

If-else statements can be nested in?

-All of the choices

Statements are equivalent to paragraphs.

-False

A (answer) array is an array containing true or false values.

-boolean

Switches are always used with if-else statements

-False

True or False: The modulus operator returns the remainder of a division operation instead of the quotient.

-true

Determine the output.

String val_1 = "564298";

-5698

Determine the output.

String val_1 = "35";

-4

The return value of the length( ) method is an integer

-true

A superclass is also known as a parent class.

-true

For-loops can be nested in while loops.

-true

In instantiating an object, the keyword instance is used.

-False

Object oriented programming utilizes the top down method

-False

Expressions are like clauses.

-true

The sort( ) method is always ascending.

-true

Arrays are data types.

-False

-private

While statements check the test expression at the end.

-False

The else statement can be used alone.

-False

The fill( ) method (Answer) the array with specific values.

-Fills

The output of println is

-55555

The person's weight is declared correctly with the correct data type (byte) and value (160).

-FALSE

Determine the output.

String val_1 = "foo"

String val_2 = "bar"

val_2 = val_1;

val_1 = val_3;

System.out.println(val_1);

-bar

Determine the output.

String val_1 = "foo"

String val_2 = "bar"

val_2 = val_1;

val_1 = val_3;

System.out.println(val_2);

-foo

Switches can work properly even without the "break" expression.

-True

Blocks can be one liner or huge classes.

-True

The test expressions in conditional statements can be left empty.

-False

Abstraction works by hiding the implementation details and showing only the functions necessary.

-True

A single array can hold multiple data types

-False

A polymorphic object can pass more than one Is-a test.

-True

Another loop can be used as test expression.

-False

True or False: Public, static and void are sample of Java reserved keywords.

-True

The value of "pStr" in line 24 is

-True

The default syntax of a constructor is <class_name>(parameter, parameter){ }

-False

A nested class is not an inner class.

-False

Nested classes causes them to become abstracted

-False

A nested class is also called

-inner class

If you want some variables and methods hidden from other classes, you could implement encapsulation where these variables and methods are wrapped in a single unit.

-True

A constructor can only have 1-2 overloads or parameters.

-False

All possible data types of an array can be retuned as a string by the toString( ) method.

-True

Abstracted classes can contain 1 or more abstract methods.

-True

Abstraction shows the every bit of detail and implementation on how an application does something.

-False

Initialization is a process where the constructor is called for.

-True

The default syntax of a constructor is <class_name>( ){ }

-True

Classes cannot be nested.

-False

Abstract classes cannot have nested classes.

-False

The parent class of a nested class is called an outer class

-True

An inner class can be constructed directly without reference to the outer class.

-False

Arrays can be read backwards

-True

A single array can hold

-One data type

Abstracted methods already have implementations inside.

-False

are special methods to initialize objects.

-constructors

Constructors have 3 basic rules to follow.

-False

Nesting classes increases encapsulation.

-True

Each index can only contain (Answer) element.

-one

The sort( ) method can be set to sort only a part of an array.

-False

Subclasses or child classes could have different behaviors but still share the same functions from their parent class.

-True

Abstract methods must have an explicit return value

-False

An abstract class must not contain abstract methods.

-False

Abstracted classes can be nested.

-True

A subclass constructor cannot invoke a superclass constructor.

-False

A class acquiring fields and methods of another class is called inheritance.

-True

Parallelsorting utilizes

-More cpu processing cores

method can copy one array to another.

-arraycopy()


Question text
Observe the following statements and decide whether the variable result's value is TRUE or FALSE.

Given that:
int x = -77;
int z = 43;
result = (z < x && 1 != 10) ? true : false;
result = (z != 43) ? true : false;
Select one:
False

Question text
Read each statement carefully and decide whether it's TRUE or FALSE.
The last line of code, with a close brace { symbol, is properly indented.
Select one:
False

Question text
True or False: Brackets [] are also separators used in declaring arrays.
Answer:
True

Question text
Refer to the block of codes below. Read each statement carefully and decide whether it's TRUE or FALSE.
There is an error in line 9.
Answer:
TRUE

Question text
True or False: Operators, in Java programming language, use special symbols to call methods and their objects.
Answer:
False

Question text
Read each statement carefully and decide whether it's TRUE or FALSE.
There are no errors in the program.
Select one:
False

Question text
Refer to the block of codes below. Read each statement carefully and decide whether it's TRUE or FALSE.
Line 9 uses a traditional comment which uses double forward slash.
Answer: False

Question text
True or False: Many programmers can be literate with Java programming language for it is intended to be that way.
Answer:
True

Question text
True or False: You'll know there's an error if you see a red circle with an exclamation point in Netbeans IDE.
Answer:
True

Question text
Observe the following statements and decide whether the variable result's value is TRUE or FALSE.

Given that:
int x = -77;
int z = 43;
result = (z < x && 1 != 10) ? true : false;
result = (x = 100) >= z;
Select one:
True

The file is accurately named – Students.java.

-false

There are three (3) separators found in line 13.

-FALSE

There is an error in line 9.

-True

result = 90 < x || -1 < z;

-True

The last line of code, with a close brace { symbol, is properly indented.

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Assuming there are no errors in the code, line 13 would display When I graduate, I'd be 18.

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In line 11, the value of personage is 18.

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If there are no errors in the program, the first line of output would read Hi, I'm a normal person.

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result = (x * z + (z += 7)) >= 100;

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True or False: Logical OR operator will result to false if one of the expressions is false.

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-True

Substrings can contain 1 or 2 arguments.

-true

Determine the output.

-bar

The index of the letter "y" in string "Doggy" is 5.

-False

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TRUE OR FALSE: The value "val_3" is a white space " ".

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True or False: Variable 1st_num is a good variable name in Java programming.

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True or False: The conditional AND operator uses two ampersand (&&) symbols.

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TRUE OR FALSE: This is an example of concatenation.

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-False

TRUE OR FALSE: "val_2" contains "The".

-True

Determine the output.

-f6

Languages which use procedural programming include C, (Answer) FORTRAN, Pascal and BASIC.

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number++; is an expression

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Using a break; statement causes the loop to jump to the next iteration.

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x+1 is example of a statement.

-False

number++; is a block

-False

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-Integers

The operator "new" allocates a memory block the size of what is declared.

-true

A class block can be an expression

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Statements can be expressions.

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Arrays can contain (Answer) number of elements.

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"||" and "&&" can be used in conditional statements.

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A class statement has three (3) major parts – declaration, initialization and instantiation.

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-False

Please refer to Figure 2 to answer the question below: If the expression "num = 0" is changed to "num = 5" the final output will be

-5

Expressions can be statements.

-True

Blocks can contain more blocks of code.

-True

If-else statements can be nested in?

-All of the choices

Statements are equivalent to paragraphs.

-False

A (answer) array is an array containing true or false values.

-boolean

Switches are always used with if-else statements

-False

True or False: The modulus operator returns the remainder of a division operation instead of the quotient.

-true

Determine the output.
String val_1 = "564298";

-5698

Determine the output.
String val_1 = "35";

-4

The return value of the length( ) method is an integer

-true

A superclass is also known as a parent class.

-true

For-loops can be nested in while loops.

-true

In instantiating an object, the keyword instance is used.

-False

Object oriented programming utilizes the top down method

-False

Expressions are like clauses.

-true

The sort( ) method is always ascending.

-true

Arrays are data types.

-False

Variables must be declared as (Answer) for it to be fully hidden.

-private

While statements check the test expression at the end.

-False

The else statement can be used alone.

-False

The fill( ) method (Answer) the array with specific values.

-Fills

The output of println is

-55555

The person's weight is declared correctly with the correct data type (byte) and value (160).

-FALSE

Determine the output.

String val_1 = "foo"

String val_2 = "bar"

val_2 = val_1;

val_1 = val_3;

System.out.println(val_1);

-bar

Determine the output.

String val_1 = "foo"

String val_2 = "bar"

val_2 = val_1;

val_1 = val_3;

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The test expressions in conditional statements can be left empty.

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Abstraction works by hiding the implementation details and showing only the functions necessary.

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A polymorphic object can pass more than one Is-a test.

-True

Another loop can be used as test expression.

-False

True or False: Public, static and void are sample of Java reserved keywords.

-True

The value of "pStr" in line 24 is

-True

The default syntax of a constructor is <class_name>(parameter, parameter){ }

-False

A nested class is not an inner class.

-False

Nested classes causes them to become abstracted

-False

A nested class is also called

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If you want some variables and methods hidden from other classes, you could implement encapsulation where these variables and methods are wrapped in a single unit.

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-True

A subclass constructor cannot invoke a superclass constructor.

-False

A class acquiring fields and methods of another class is called inheritance.

-True

Parallelsorting utilizes

-More cpu processing cores

method can copy one array to another.

-arraycopy()

The equivalent of clauses in coding is?
**-Expressions**
Int num = 1; for(num=num;num<=10;num++) is an acceptable code snippet.
**-true**
Loop that has a pre-determined number of iterations
**-while**
An int can be used even if it is declared outside a for-loop.
**-true**
Overload methods must be the same name as the class
**-true**
What the break statement in this example does is _____.

**-Ends the whole instance of the loop**
The random( ) method sorts the array randomly.
**-False**
The last part in a for loop setup can be an _____.
**- both**
The "1" in arrayName[1] is called an _____.
**-Index**
The continue; statement ends all the iterations of a loop.
**- False**
Which is not a proper increment?
**- n+-;**
Infine for-loops can be declared as for( ){ }.
**- False**
If-if is more logical than else-if.
**- False**
The else statement can be removed if not needed.
**-True**
Expressions, Statements and Blocks are like composing sentences and paragraphs.
**-True**
You can declare a new method in the subclass which is not declared in the superclass.
**-True**
The return value of the equals( ) method is _____ .
**-None of the choices**
The Arrays.sort( ) method sorts an array into _____ order.
**-Ascending**
This type of declaration is discouraged: "int myArray[ ]"
**- True**
An if-else-if-else statement is a block.
**-True**
If the increment num=num+2 is changed to num++, the final value of num will be _____.
**- 5**
The term of each pass through a loop makes is called?
**-iteration**
Loops must always have a continue or break statement.
**-False**
1+2+3/4*5 is an unambiguous expression
**-False**
Conditional statements can contain more conditional statements.
**- True**
int num = 1;
if(num==1 && num<=1){
body;

}

The conditional statement will _____.
**- execute the body**

byte( ][ ][ ) myArray; is an example of _____.
**- An error**
An array _____ hold objects.
**- can**
A reference variable can be reassigned to other objects provided that it is not declared _____.
**- final**
The test expression of conditional statement cannot contain _____
**- !**
Each pass through of a loop is called a cycle.
**- True**
If the increment "num = num + 2" is changed to "num = num + 1" the final output will be _____.
**- 0**
Ifs and else-ifs test expressions return true or false.
**- True**
_____ classes increase the encapsulation of you methods and data.
**- nesting**
Constructed methods are initialized with 0 or null depending on the data type.
**- true**
The else statement catches whatever argument the if and else-if didn't
**- True**
An iteration of a loop is equivalent to one pass through.
**- true**
38. If we change the initial value of num in line 6 to "num = 0", the println output will be _____
- 0
The else-if statement can be used alone.
**- false**
Abstract methods need sub-classes to contain their implementations.
**-true**
The method arraycopy( ) does what?
**- Copies the contents of an array to a destination array.**
An array can be infinitely long.
**- False**
A loop can contain no expressions or statements inside.
**- true**
Conditional statements are the same as declaration statements.
**- False**
You cannot use inherited methods directly in a child class.
**- False**
The equals( ) method compares 2 arrays.
**- True**
Method invocations are statements
**- True**
To implement encapsulation, you have to declare class variables with the private

modifier.
**- True**
Inner class methods can be called by constructing the inner class.
**- False**
Encapsulated data are hidden from other classes.
**- True**

Procedural programming will be tricky for ☐ applications.

Answer:   **small**

Strings can directly concatenated to an int.

Answer:   **False**

1. Machine language and assembly language are collectively referred to as
_____

**Answer: LOW-LEVEL LANGUAGE**

2. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
Employees for a table name.

Answer: WRONG

3. Machine language is also known as Answer ☐ language.

4. Kyoto protocol addresses environmental issues through the campaign of
_____.

Answer: reducing greenhouse gas emissions

5. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"So far, XYZ has 2 updates and it is working smoothly. Some bugs were fixed and there have been improvements – like additional characters and skills."

Select one:

**Answer:** Maintainability

6.C# was released by Answer **Micros** .

7.Lizzy printed her reports in all the major subjects. She forgot if she has already printed her English report. What can she do to avoid printing it twice?

Answer: **Right click on the printer and choose See what's printing.**

**8.** Refer to the image below to answer the following question. What process is illustrated in the diagram?
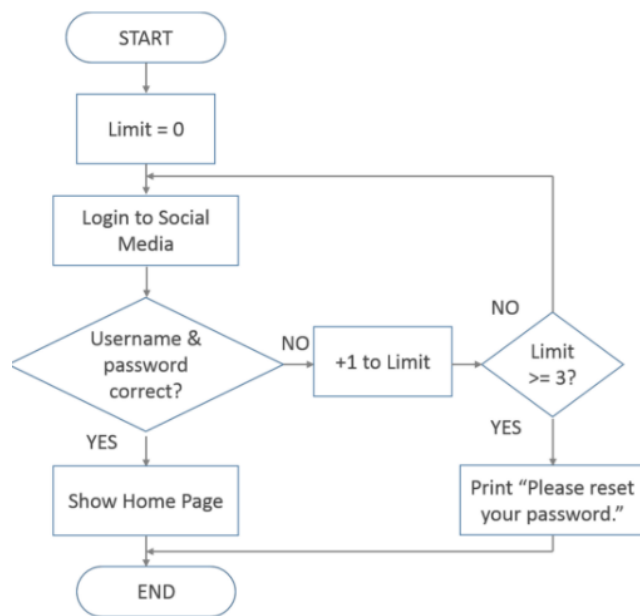


Answer: Social media login limit.

9. Quality improvement process is conducted to avoid errors and faults from recurring in the future.

Answer: True

10.Refer to the image below and write only the letter of the correct answer in the space provided.

I cannot type anything but my mouse is working, I am using a brand new USB keyboard, which port should I check?

Answer: D

11. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
ComputeTotalScore() for a routine to sum up the scores

**Answer: CORRECT**

12. In adding a new printer, the _____ will guide you on the steps to be taken.

**ANSWER: PRINTER WIZARD**

13.Big business companies are the only ones responsible for enforcing environmental policies since they can afford alternative cleaner technology.

**ANSWER: FALSE**

14. Who is considered as a user (component of an operating system)?

**ANSWER; ALL OF THE CHOICES**

15. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Adaptability

**ANSWER; PORTABILITY**

16. One good practice is to use water filtration system instead of buying bottled water every time.

**ANSWER; TRUE**

17._____ is a type of programming language that is composed of symbols and words that follow some rules similar to that of a natural language.

**ANSWER: High-Level Language**

18.The following are statements that describe milestones in the programming language.
I. FORTRAN, the first modern computer language, was developed.
II. Java was released by Sun Microsystems
III. C was developed based on some of B's features.
IV. Ada Lovelace invented the first computer program for analytical engine application.
V. COBOL was created by the US Department of Defense
Which of the following shows the correct order of events?

**ANSWER: IV, I, V, III, II**

19.The Kyoto protocol requires the participation of both industrialized and developing nations in reducing environmental harm.

**ANSWER: False**

20. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Accessibility

**ANSWER; USABILITY**

21. The first computer concept invented is called _____.

**ANSWER; ANALYTICAL ENGINE**

22. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
Get_Average_Grade() for a routine to compute for average.

**ANSWER: WRONG**

23.Java is an example of

**ANSWER: HIGH-LEVEL LANGUAGE**

24. What type of flowchart symbol contains the text "Limit >=3?"?

**ANSWER:DECISION**

My brother gave me an external hard drive as a present. I wanted to save my movies and pictures in it, where should it be connected?

**ANSWER: D**

26.Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Installability

**ANSWER: PORTABILITY**

27. Java can only be used for business purposes like processing records and employees.

**ANSWER:FALSE**

28. Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
studentAge for a variable name.

**ANSWER: CORRECT**

29. **ead the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"I find it really enjoying to play XYZ since I can invite my friends from social media profile. It works well with this social media app!"

**ANSWER: COMPATIBILITY**

30. ISO/IEC 25010:2011's product quality model has eight (8) major characteristics.

**ANSWER:TRUE**

31. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Recoverability

**ANSWER: RELIABILITY**

32. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"The XYZ has in-app purchases or micro transactions and asks for my credit card details. It's safe so far and didn't have any issues with information leak."

**ANSWER: SECURITY**

33. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Capacity

**ANSWER: PERFORMANCE EFFICIENCY**

34. Refer to the pseudocode below and answer the following question:
What is the first thing that the program will do?

**ANSWER: ASK FOR HEIGHT**

35. Montreal protocol protects the ozone layer by _____.

**ANSWER: phasing out harmful substances**

**36.** Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
passingSCORE for a constant variable.

**ANSWER: WRONG**

37. Refer to the image below to answer the following question.
By default, what is the value of limit?

**ANSWER: 0**

38. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Integrity

**ANSWER: SECURITY**

39. Seiri is making work easier by reducing unnecessary items to deal with.

**ANSWER: TRUE**

40. Even when you close all running application programs, there are still process running in the background.

**ANSWER: TRUE**

41. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"XYZ is so cool! I tried to install it in my old computer and it still runs smoothly. Given that the computer's video card is a bit faulty."

**ANSWER: Reliability**

42. FORTRAN stands for _____ .

**ANSWER: FORmulaTRANslator**

43.Monica accidentally unplugged the mouse PS/2 port. What will happen to the mouse connected thru the universal serial bus port?

**ANSWER: NONE OF THE CHOICES**

44. Refer to the pseudocode below and answer the following question: What happens after weight is given?

```
1.  Enter Weight in kilograms
2.  Enter Height in meters
3.  BMI = Weight / (Height * Height)
4.  If BMI < 18.5 Print "Underweight"
    Else if BMI = 18.5 and < 25 Print "Normal"
    Else if BMI = 25 and < 30 Print "Overweight"
    Else if BMI >= 30 Print "Obese"
```

# ANSWER: ASK FOR HEIGHT

45. Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Learnability

**ANSWER: USABILITY**

46. Refer to the pseudocode below and answer the following question: If the calculated BMI results to 26, what will the program do?

```
1. Enter Weight in kilograms
2. Enter Height in meters
3. BMI = Weight / (Height * Height)
4. If BMI < 18.5 Print "Underweight"
   Else if BMI = 18.5 and < 25 Print "Normal"
   Else if BMI = 25 and < 30 Print "Overweight"
   Else if BMI >= 30 Print "Obese"
```

# ANSWER: display Overweight

47. Axel is finally documenting his work. What could he be writing?

**ANSWER: instructions for the users**

48. **Read the questions carefully and choose your answer from the word pool provided.**

*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"One good thing I find with XYZ as when my laptop shuts down accidentally, my game score and status can still be recovered. No need to repeat a level."

**ANSWER: Reliability**

49. Battery level, Internet connection and date and time are usually located in the Notification Area.

# ANSWER: TRUE

50. He is known as the father of the Java programming language.

**ANSWER: JAMES GOSLING**

Question text

**Read the situation below as your basis for answering the following question:**

**Ricka is creating a student record system where the profile, educational attainment and contact person of the students will be saved and restored. She is planning to implement it during the second semester.**

Identify whether the statement is a strength, weakness, opportunity or threat. Naughty students who might try to hack the student record system and change the information saved.

Answer: threat

Question **2**
Complete
Mark 1.00 out of 1.00

Question text

**Read the situation below as your basis for answering the following question:**

**Ricka is creating a student record system where the profile, educational attainment and contact person of the students will be saved and restored. She is planning to implement it during the second semester.**

Identify whether Ricka's role is accountable, responsible, consult or inform: Ricka should finish conducting unit and system testing.

Answer: accountable

Question text

True or False: Monitoring and evaluating means brainstorming.

Answer: False

Question **5**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Axel is finally documenting his work. What could he be writing?

Select one:
a. requirements of the program
b. system analysis
c. bug reviews and errors
d. instructions for the users

Question **6**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Machine language and assembly language are collectively referred to as _____.

Select one:

○ a. Average level language

○ b. Low-level language

○ c. Advanced language

○ d. High-level language

Question **7**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: Nothing good ever comes from giving feedback. If anything, anyone who does give will only get scolded by the boss.

Answer: False

Question **8**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Analyze the diagram below to answer. Fill in the blanks with the correct answer or categorize the causes if they are considered problems in Materials, Measurement, Method, People, Equipment or Environment.
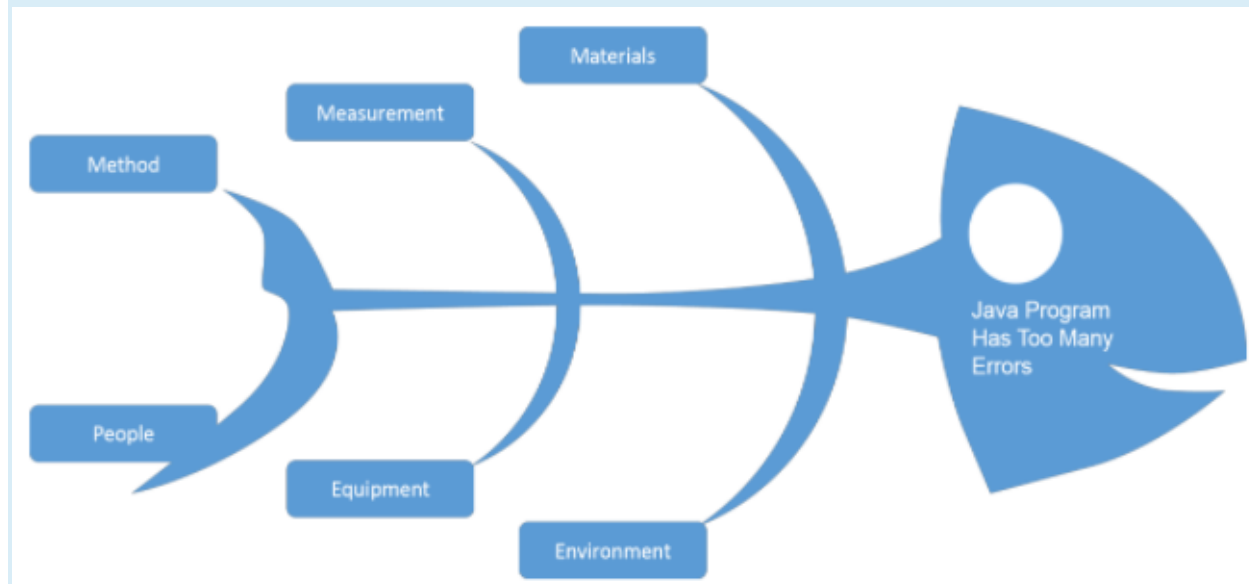


When the software used was checked, the project manager discovered that some of the programmers are using an old version of Java. This cause is categorized under

Answer. Materials

Question **9**
Complete
Mark 1.00 out of 1.00

Question text

**Read the situation below as your basis for answering the following question:**

**Ricka is creating a student record system where the profile, educational attainment and contact person of the students will be saved and restored. She is planning to implement it during the second semester.**

Identify whether Ricka's role is accountable, responsible, consult or inform: Ricka should be told about the students who volunteered to test the student record system.

Answer:  inform

Question **10**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Machine language is also known as Binary language.

Question **11**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

The following can be used as a channel for conveying messages, EXCEPT:

Select one:

○ a. email

○ b. social media

○ c. <mark>hyperlinks</mark>

○ d. speaking

Question **12**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Refer to the pseudocode below and answer the following question:
What is the first thing that the program will do?

Select one:

○ a. ask for BMI

○ b. print height

○ c. <mark>ask for height</mark>

○ d. print BMI

Question **13**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

_____ in the workplace protection of sensitive business information through precautionary measures like confidentiality clauses or non-disclosure agreements.

Select one:

○ a. Curiosity

○ b. Integrity

○ c. Secrecy

○ d. <mark>Confidentiality</mark>

Question **14**
Complete
Mark 0.00 out of 1.00

Question text

Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Capacity

Select one:

a. Security

b. Reliability

c. Compatibility

d. Functional Suitability

e. Maintainability

f. Portability

g. Usability

h. Performance Efficiency

Question **15**
Complete
Mark 1.00 out of 1.00

Question text

FORTRAN stands for _____. Formula Translator

Question **16**
Complete
Mark 1.00 out of 1.00

Question text

True or False: Documenting the decision is the last action needed to be taken to solve the problem.

Answer: False

Flag question

Question text

In _____, the trainee's learning is focused on utilizing existing abilities and competencies, with the coach interacting with the trainee in a professional way.

Select one:

○ a. Coaching

○ b. Meeting

○ c. Problem Solving

○ d. Mentoring

Question **18**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Determine whether the stated person / group is an internal or external stakeholder.
Students

Answer: internal

Question **19**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: Organizational policies and procedures are used as a guide in decision making and help employees understand the company's goals and values.

Answer: <mark>True</mark>

Question **20**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Java can only be used for business purposes like processing records and employees.

Select one:

○ a. True

○ b. <mark>False</mark>

Question **21**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Battery level, Internet connection and date and time are usually located in the Notification Area.

Select one:

○ a. <mark>True</mark>

○ b. False

Question **22**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Actions that you need to take to reach the goals you set are called _____.

Select one:

○ a. Standard

b. Actions

c. <mark>Objectives</mark>

d. Process

Question **23**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Adaptability

Select one:

a. Usability

b. Security

c. Compatibility

d. Reliability

e. Functional Suitability

f. Performance Efficiency

g. Maintainability

h. <mark>Portability</mark>

Question **24**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: To establish empathy means to interpret the message received.

Answer: <mark>False</mark>

Question **25**
Complete
Mark 1.00 out of 1.00

Question text

Analyze the diagram below to answer. Fill in the blanks with the correct answer or categorize the causes if they are considered problems in Materials, Measurement, Method, People, Equipment or Environment.
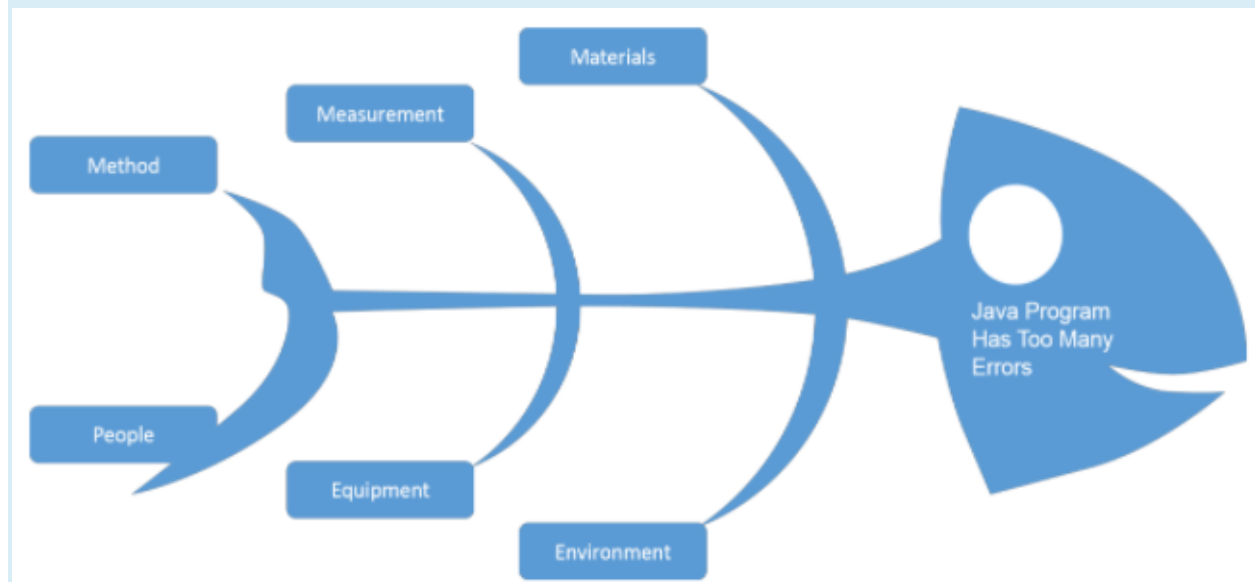


When the program was written, some team mates are talking too loud and distracted the others. This cause is categorized under:

Answer: Environment

Question **26**
Complete
Mark 1.00 out of 1.00

Question text

Identify whether the following task should be listed as a milestone or be included in the Gantt chart. Create the project charter for the student record system.

Answer: Gantt chart

Question **27**

Complete
Mark 1.00 out of 1.00

Flag question

Question text

Refer to the image below to answer the following question.
By default, what is the value of limit?

Select one:

○ a. 0

○ b. 2

○ c. 1

○ d. 3

Question **28**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
Get_Average_Grade() for a routine to compute for average.

Select one:

○ a. Correct

○ b. Wrong

Question **29**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

In adding a new printer, the _____ will guide you on the steps to be taken.

Select one:

- ○ a. Printer Guide
- ○ b. Printer Affix
- ○ c. Printer Install
- ○ d. <mark>Printer Wizard</mark>

Question **30**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: Gantt chart is one of the tools used in identifying workloads. It states who is responsible or accountable for one task or activity.

Answer: <mark>False</mark>

Question **31**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Refer to the image below and write only the letter of the correct answer in the space provided.
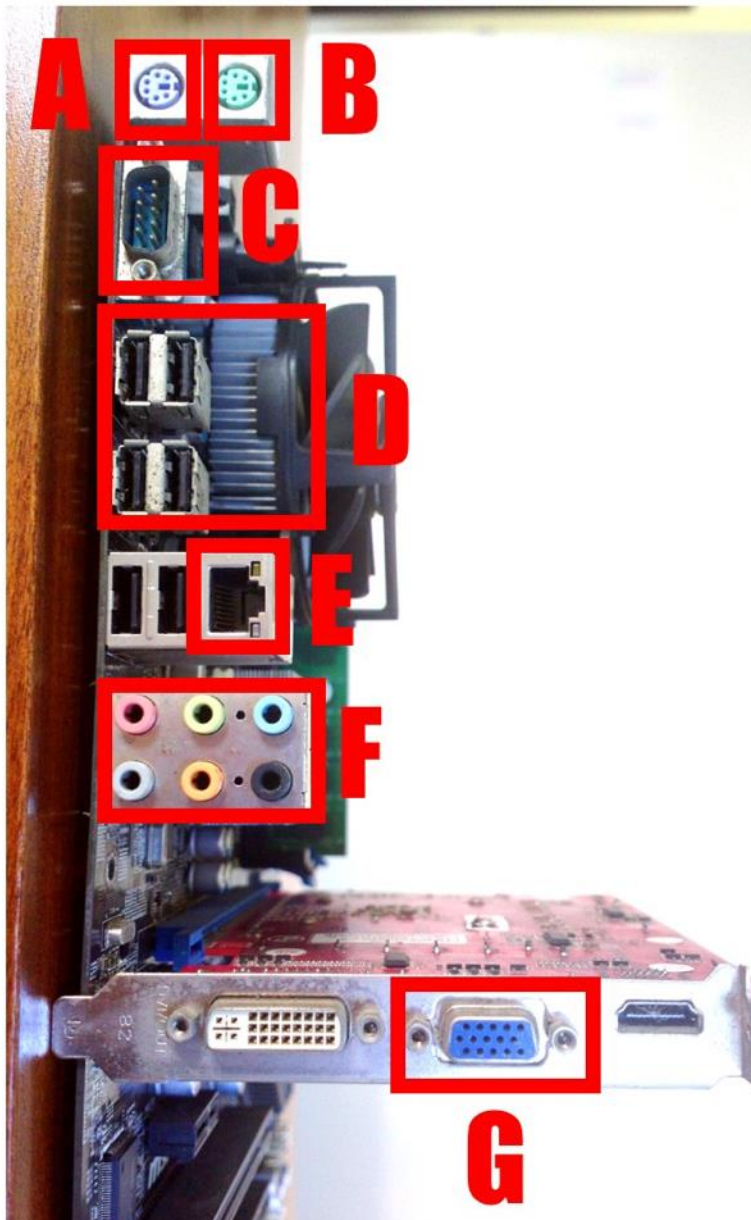


My brother gave me an external hard drive as a present. I wanted to save my movies and pictures in it, where should it be connected?

Answer: D

Question **32**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Identify whether the following task should be listed as a milestone or be included in the Gantt chart. Fix bugs and errors detected in the system.

Answer: Gantt chart

Question **33**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

In the correct order, the essential parts of the communication process are:

Select one:

- a. Source, Message, Encoding, Channel, Decoding, Receiver, Feedback
- b. Source, Message, Encoding, Channel, Receiver, Decoding, Feedback
- c. Source, Message, Encoding, Channel, Decoding, Feedback, Receiver
- d. Source, Message, Encoding, Receiver, Decoding, Channel, Feedback

Question **34**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Determine whether the stated person / group is an internal or external stakeholder. Programmers

Answer: internal

Question **35**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: To solve a problem means to know first what the problem is before coming up with the feasible solutions.

Answer: True

Question **36**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: Listing down the issues related to the problem is second to the last step in an effective problem solving process.

Answer: False

Question **37**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Learnability

Select one:

○ a. Portability

○ b. Security

○ c. Maintainability

○ d. Functional Suitability

○ e. Usability

○ f. Compatibility

○ g. Performance Efficiency

○ h. Reliability

Question **38**
Complete
Mark 1.00 out of 1.00

Question text

Monica accidentally unplugged the mouse PS/2 port. What will happen to the mouse connected thru the universal serial bus port?

Select one:

a. The mouse will stop working.

b. None of the choices.

c. The mouse will freeze.

d. All of the choices

e. The mouse will be disabled.

Question **39**
Complete
Mark 1.00 out of 1.00

Question text

**Read the situation below as your basis for answering the following question:**

**Ricka is creating a student record system where the profile, educational attainment and contact person of the students will be saved and restored. She is planning to implement it during the second semester.**

Identify whether the statement is a strength, weakness, opportunity or threat. The student record system is dependent on the Internet and will not function without Internet connection.

Answer: weakness

Question **40**
Complete
Mark 1.00 out of 1.00

Question text

Decide whether it is a communication instrument or purpose.
A Gantt chart that shows the schedule for the development process of the student record system.
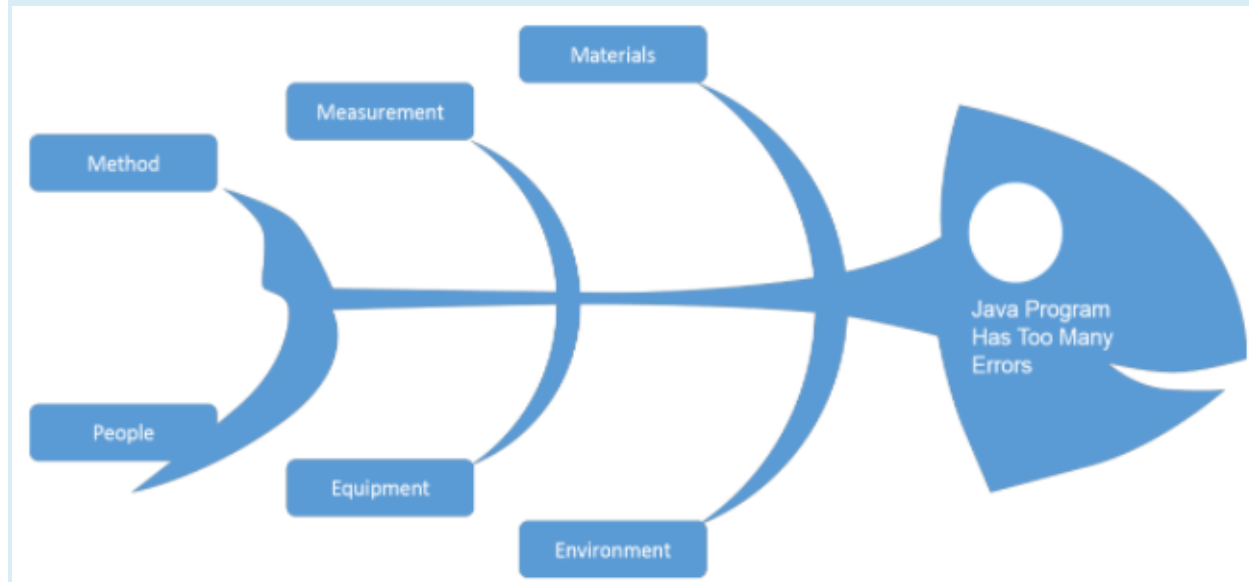


Answer: instrument

Question **41**
Complete
Mark 1.00 out of 1.00

Question text

A product or service must go through this phase to ensure that it is fit to use and that its quality matches with the company's standards.

Select one:

○ a. Performance Appraisal

○ b. Quality Control

○ c. Safety Programs

○ d. Reflective Behavior

Flag question

Question text

Observe the names of the following variables and routines and decide whether its format is CORRECT or WRONG.
ComputeTotalScore() for a routine to sum up the scores.

Select one:

○ a. Wrong

○ b. Correct

Flag question

Question text

Identify whether the following task should be listed as a milestone or be included in the Gantt chart. The record system has undergone the function testing successfully.

Answer: milestone

Flag question

Question text

True or False: Stakeholders are people or group who are directly or indirectly affected by a company's decision, policies and objectives.

Answer: True

Mark 1.00 out of 1.00

Flag question

Question text

True or False: Distributing the information to the involved staff and/or department is the last step in the planning process.

Answer: True

Question **46**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Determine whether the stated person / group is an internal or external stakeholder. Programmers' Adviser

Answer: internal

Question **47**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

True or False: Feedback is not needed in communication.

Answer: False

Question **48**
Complete
Mark 1.00 out of 1.00

Flag question

The first computer concept invented is called _____.

Select one:

○ a. COBOL

○ b. <mark>Analytical Engine</mark>

○ c. FORTRAN

○ d. PlanKalKul

Question **49**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

**Read the questions carefully and choose your answer from the word pool provided.**
*Mobile app XYZ, which is an RPG game, has been deployed and launched to the public six (6) months ago. Some volunteers are testing XYZ in accordance with the ISO/IEC 25010:2011. Read their feedback below and decide which product quality attribute is being described.*

"The XYZ has in-app purchases or micro transactions and asks for my credit card details. It's safe so far and didn't have any issues with information leak."

Select one:

○ a. Portability

○ b. Performance Efficiency

○ c. Compatibility

○ d. <mark>Security</mark>

○ e. Maintainability

○ f. Reliability

○ g. Usability

○ h. Functional Stability

Question **50**
Complete
Mark 0.00 out of 1.00

Flag question

Question text

Categorize the following subcharacteristics of the ISO/IEC 25010:2011's product quality model and write the letter that corresponds to your answer.
Integrity

Select one:

○ a. Compatibility

○ b. Maintainability

○ c. Usability

○ d. Functional Suitability

○ e. Reliability

○ f. Performance Efficiency

○ g. Security

○ h. Portability

PROG-113A / ► Week 20: Second Quarter Exam / ► Second Quarter Exam (50/50) (PS: Pabago bago ang questions, pero same lang sa ibang short quizes or learning activity yung questions and sagot) ❤️ 😃

Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
You want to display all the records of employee the same with the salary employee number 103.
Answer: SELECT * FROM employees WHERE salary = (SELECT salary from employees where employee_id= 103)
Which of the following stored procedure to create a procedure to that will be used to display the employee id and salary of Steven King?
Answer: CREATE OR REPLACE PROCEDURE query_emp
(p_last_name IN employees.last_name%TYPE,
p_first_name IN employees.first_name%TYPE,
p_employee_id OUT employees.employee_id%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN
SELECT employee_id, salary INTO p_employee_id, p_salary
FROM employees
WHERE last_name = p_last_name AND first_name = p_first_name;
END query_emp;
Which of the folllowing is TRUE?
Answer: SQL code are embedded within PL/SQL statements
When an exception is user defined, the exception is raised _____ .
Answer: Explicitly

Which of the folllowing is TRUE?
Answer: SQL code are embedded withing PL/SQL statements
Weak REF CURSOR is very flexible.
Answer: True
How do you test the output of a PL/SQL block?
Answer: Use a predefined Oracle package and its procedure
Restrictive, specifies a RETURN type, associates only with type-compatible queries are description of a _____.
Answer: Strong REF CURSOR
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
These are local variables declared in the parameter list of a subprogram specification.
Answer: Formal parameter
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
When an exception is predefined by Oracle server, the exception is raised _____ .
Answer: Explicitly
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
Evaluate the following PL/SQL.
CREATE OR REPLACE PROCEDURE query_employee
(p_id IN employees.employee_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN SELECT last_name, salary INTO p_name, p_salary
FROM employeesWHERE employee_id = p_id;
END query_employee
Answer: No error
You want to know the total number of employees whose firstname starts with letter D.
Which of the folllowing PLS/SQL executes successfully?
Answer: DECLARE
v_first_name employees.first_name%TYPE := 'D%';
BEGIN
SELECT COUNT(*) INTO v_first_name FROM employees WHERE first_name LIKE v_first_name;
DBMS_OUTPUT.PUT_LINE(v_first_name);
END;
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
You want to display the name, salary and tax of employee #150. Which of the PL/SQL will execute successfully? Note tax is computed as 2% of the salary.
Answer: DECLARE
v_first_name VARCHAR2(50);
v_last_name VARCHAR2(50);
v_salary INTEGER(20);
v_tax INTEGER(10);
BEGIN
SELECT first_name, last_name, salary, salary * 0.02 INTO v_first_name, v_last_name, v_salary, v_tax FROM employees WHERE employee_id = 150;
DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
DBMS_OUTPUT.PUT_LINE('Tax : '|| v_tax);
END;

Which of the following is the syntax to close a cursor?
Answer: CLOSE cursor_variable_name;
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
What are the three PL/SQL block types?
Answer: Anonymous, Procedure, Function
You can trap any error by including a corresponding handler within the exception-handling section of the PL/SQL block.
Answer: True
Which of the following describes weak REF CURSOR?
Answer: Associates with any query
Given the answer in item _____, which of the folllowing stored procedure will display the employee id and salary of Steven King?
Answer: DECLARE
v_employee_id employees.employee_id%TYPE;
v_emp_sal employees.salary%TYPE;
BEGIN
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal, '$999,999.00'));
END;
You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by 50% of their existing salary.
Which of the following will execute successfully?
Answer: DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary *0.50 WHERE job_id = v_job_id;
END;
Which of the folllowing is required in a subquery?
Answer: SELECT
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
In the DECLARE section of the PL/SQL block,
Answer: All of the choices
Actions are being performed when error occurs during PL/SQL execution in the
Answer: EXCEPTION
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
Which of the folllowing statement describes PL/SQL?
Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language
Evaluate the following PL/SQL.
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;
END;
Answer: The PL/SQL will delete employee number 114.
Which of the following command is used to create a stand-alone procedure that is stored in the Oracle database?
Answer: CREATE PROCEDURE
Evaluate the following PL/SQL.
DECLARE

v_email VARCHAR(20);
BEGIN
SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';
DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'
|| v_email);
EXCEPTION
WHEN TOO_MANY_ROWS THEN
DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');
END;
Answer: The PL/SQL block will run successfully.
Which of the following is the syntax to define a REF CURSOR type?
Answer: TYPE ref_type_name IS REF CURSOR
[RETURN return_type];
The PL/SQL code block helps modularize code by using:
Answer: All of the choices
Which of the following is the syntax to fetch from a cursor variable?
Answer: FETCH cursor_variable_name INTO variable_name1
[,variable_name2,. . .] | record_name;
You want to display all records in the database whose salary is above the salary of Alexander
Hunold.
Answer: SELECT * from employees WHERE salary < (SELECT salary FROM employees WHERE
first_name = 'Alexander' AND last_name = 'Hunold')
Procedure can be stored in the database as a schema object.
Answer: True
In PL/SQL Block Structure, which of the following are mandatory?
Answer: BEGIN and END
PL/SQL stands for
Answer: Procedural Language extension to SQL
Which of the following is CORRECT about sub-queries?
Answer: Subquery execute before the main query executes.
Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
PL/SQL Provides a block structure for executable units of _____.
Answer: Code
Evaluate the SQL command
SELECT employee_id, salary from employees where salary = ANY (SELECT salary FROM
employees WHERE job_id = 'IT_PROG') AND job_id = 'ST_CLERK'
Answer: This has no error.
Which of the following PL/SQL will execute successfully?
Answer: DECLARE
v_salary INTEGER(20);
BEGIN
SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;
END;
In PL/SQL Block Structure, which of the following are OPTIONAL?
Answer: None of the choices
Evaluate the following PL/SQL. At what line number is the error of the PL/SQL?
DECLARE
v_deptno NUMBER := 800;
e_invalid EXCEPTION;
BEGIN
DELETE FROM departments
WHERE department_id = v_deptno;

IF SQL % NOT_FOUND THEN
RAISE e_invalid;
END IF;
COMMIT;
EXCEPTION
WHEN e_invalid THEN
DBMS_OUTPUT.PUT_LINE('No such department id.');
END;
Answer: 7
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
Fetch into a record when fetching from a cursor.
Answer: True


PROG-113A / ► Week 18: Designing PL/SQL / ► Short Quiz 14
Which of the following is the syntax to open a cursor varial
Answer: OPEN cursor_variable_name
FOR select_statement;
Which of the following is the syntax to define a REF CURSOR type?
Answer: TYPE ref_type_name IS REF CURSOR
[RETURN return_type];
Weak REF CURSOR is very flexible.
Answer: True
Evaluate the following. What will be the output?
DECLARE
SUBTYPE Accumulator IS NUMBER (4,2);
v_amount accumulator;
v_num1 NUMBER;
v_num2 NUMBER;
v_num3 NUMBER;
BEGIN
v_amount := 10.50;
v_num1 := 1;
v_num2 := 2;
v_num3 := 3;
v_num1 := v_amount;
v_num2 := v_num1 + v_amount;
v_num2 := v_num2 - v_num3;
dbms_output.put_line('Total is: ' || v_num2);
END;
Answer: 18
Which of the following is the syntax to fetch from a cursor variable?
Answer: FETCH cursor_variable_name INTO variable_name1
[,variable_name2,. . .] | record_name;
Fetch into a record when fetching from a cursor.
Answer: True
Which of the following is the syntax to close a cursor?
Answer: CLOSE cursor_variable_name;

This is a subset of an existing data type that may place a constraint on its base type.
Answer: Subtype
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.
Answer: False

PROG-113A / ► Week 18: Designing PL/SQL / ► Learning Activity 14

Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
Which of the following describes weak REF CURSOR?
Answer: Associates with any query
Restrictive, specifies a RETURN type, associates only with type-compatible queries are description of a _____.
Answer: Strong REF CURSOR
Which of the following is INCORRECT about the guidelines for cursor design?
Answer: Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.
This is a subset of an existing data type that may place a constraint on its base type.
Answer: Subtype

PROG-113A / ► Week 17: / ► Short Quiz 13
Evaluate the following PL/SQL.
CREATE OR REPLACE PROCEDURE query_employee
(p_id IN employees.employee_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN SELECT last_name, salary INTO p_name, p_salary
FROM employeesWHERE employee_id = p_id;
END query_employee
Answer: No error
Evaluate the following PL/SQL. Which of the following will line creates an error?
CREATE OR REPLACE PROCEDURE query_emp
(
p_department_id IN employees.department_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE
)
IS
BEGIN
SELECT last_name, salary, department_id INTO p_name, p_salary, p_department_id
FROM employees
WHERE salary >= p_salary AND department_id = p_department_id ;
END query_emp;

Answer: Line 3

These are local variables declared in the parameter list of a subprogram specification.

Answer: Formal parameter

Given the answer in item _____, which of the folllowing stored procedure will display the employee id and salary of Steven King?

Answer: DECLARE

v_employee_id employees.employee_id%TYPE;

v_emp_sal employees.salary%TYPE;

BEGIN

query_emp('King', 'Steven', v_employee_id, v_emp_sal);

DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal, '$999,999.00'));

END;

Which of the following stored procedure to create a procedure to that will be used to display the employee id and salary of Steven King?

Answer: CREATE OR REPLACE PROCEDURE query_emp

(p_last_name IN employees.last_name%TYPE,

p_first_name IN employees.first_name%TYPE,

p_employee_id OUT employees.employee_id%TYPE,

p_salary OUT employees.salary%TYPE) IS

BEGIN

SELECT employee_id, salary INTO p_employee_id, p_salary

FROM employees

WHERE last_name = p_last_name AND first_name = p_first_name;

END query_emp;

What is the default parameter mode when no mode is specified?

Answer: IN

PROG-113A / ► Week 16: Creating Procedures / ► Learning Activity 13

Procedure can be stored in the database as a schema object.

Answer: True

The PL/SQL code block helps modularize code by using:

Answer: All of the choices

Which of the following command is used to create a stand-alone procedure that is stored in the Oracle database?

Answer: CREATE PROCEDURE

Which of the folllowing does NOT describes subprogram?

i. Compiled only once

ii. Stored in the database

iii. Do not return values

iv. Can take parameters

v. Unnamed PL/SQL blocks

Answer: iii & v

Which if the following is NOT a benefits of using modular program constructs?

Answer: None of the choices

Which of the following is the syntax to open a cursor varial

Answer: OPEN cursor_variable_name

FOR select_statement;

Which of the following is the syntax to define a REF CURSOR type?

Answer: TYPE ref_type_name IS REF CURSOR

[RETURN return_type];

Weak REF CURSOR is very flexible.

Answer: True

Evaluate the following. What will be the output?

DECLARE

SUBTYPE Accumulator IS NUMBER (4,2);

v_amount accumulator;

v_num1 NUMBER;

v_num2 NUMBER;

v_num3 NUMBER;

BEGIN

v_amount := 10.50;

v_num1 := 1;

v_num2 := 2;

v_num3 := 3;

v_num1 := v_amount;

v_num2 := v_num1 + v_amount;

v_num2 := v_num2 - v_num3;

dbms_output.put_line('Total is: ' || v_num2);

END;

Answer: 18

Which of the following is the syntax to fetch from a cursor variable?

Answer: FETCH cursor_variable_name INTO variable_name1

[,variable_name2,. . .] | record_name;

Fetch into a record when fetching from a cursor.

Answer: True

Which of the following is the syntax to close a cursor?

Answer: CLOSE cursor_variable_name;

This is a subset of an existing data type that may place a constraint on its base type.

Answer: Subtype

Which of the following rules is INCORRECT about cursor variables?

Answer: None of the choices.

Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.

Answer: False

PROG-113A / ► Week 18: Designing PL/SQL / ► Learning Activity 14

Which of the following rules is INCORRECT about cursor variables?

Answer: None of the choices.

Which of the following describes weak REF CURSOR?

Answer: Associates with any query

Restrictive, specifies a RETURN type, associates only with type-compatible queries are description of a _____.

Answer: Strong REF CURSOR

Which of the following is INCORRECT about the guidelines for cursor design?

Answer: Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.

This is a subset of an existing data type that may place a constraint on its base type.

Answer: Subtype


PROG-113A / ► Week 15: Long Quiz / ► Long Quiz 3 (30/30)

(Correction)

How do you test the output of a PL/SQL block?

Answer: Use a predefined Oracle package and its procedure

Which of the folllowing statement describes PL/SQL?

Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language

Which of the following syntax to declare EXCEPTION named e_invalid_id?

Answer: e_invalid_id EXCEPTION;

In PL/SQL Block Structure, which of the following are mandatory?

Answer: BEGIN and END

This is a type of cursor which is created and managed internally by the Oracle server to process SQL statements

Answer: Implicit

PL/SQL stands for

Answer: Procedural Language extension to SQL

Which of the following PL/SQL will execute successfully?

Answer: DECLARE

v_salary INTEGER(20);

BEGIN

SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;

END;

What is the last clause in trapping exceptions?

Answer: WHEN OTHERS

PL/SQL Provides a block structure for executable units of _____.

Answer: Code

Evaluate the following PL/SQL.

DECLARE

v_email VARCHAR(20);

BEGIN

SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';

DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'

|| v_email);

EXCEPTION

WHEN TOO_MANY_ROWS THEN
DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');
END;
Answer: The PL/SQL block will run successfully.
Which of the folllowing is TRUE?
Answer: SQL code are embedded within PL/SQL statements
You can trap any error by including a corresponding handler within the exception-handling section of the PL/SQL block.
Answer: True
When an exception is user defined, the exception is raised _____ .
Answer: Explicitly
Evaluate the PL/SQL
DECLARE
v_first_name VARCHAR2(50);
v_last_name VARCHAR2(50);
v_salary INTEGER(20);
BEGIN
SELECT first_name, last_name, salary INTO v_first_name, v_last_name, v_salary FROM employees WHERE department_id = 60;
DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
END;
Answer: Error in Line 6.
Evaluate the following PL/SQL.
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;
END;
Answer: The PL/SQL will delete employee number 114.
Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
What are the three PL/SQL block types?
Answer: Anonymous, Procedure, Function
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by 100% of their existing salary. Which of the following will execute successfully?
Answer: DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary * 2 WHERE job_id = v_job_id;
END;
What is the error trapping function that returns the numeric value of the error code?

Answer: SQLCODE

What is the exception name when single row SELECT returned no data.

Answer: NO_DATA_FOUND

Which of the following DOES NOT describes an exception?

Answer: Exception is a PL/SQL error that is raised before program execution.

Evaluate the following PL/SQL.

```
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;
END;
```

Answer: The PL/SQL will delete employee number 114.

In the DECLARE section of the PL/SQL block,

Answer: All of the choices

When an exception is predefined by Oracle server, the exception is raised _____ .

Answer: Explicitly

Which of the will display the Employee ID and number of years in service with employee ID 150?

Answer: DECLARE

```
v_salaryemployees.salary%TYPE := 10000;
v_employee_idemployees.employee_id%TYPE := 150;
v_years INTEGER(10);
BEGIN
SELECT employee_id, ROUND((SYSDATE - hire_date) /365,0) INTO v_employee_id, v_years
FROM employees WHERE employee_id = v_employee_id ;
DBMS_OUTPUT.PUT_LINE('Employee ID:' || v_employee_id);
DBMS_OUTPUT.PUT_LINE('Number of years : ' || v_years);
END;
```

Actions are being performed when error occurs during PL/SQL execution in the

Answer: EXCEPTION

You can use this procedure to issue user-defined error messages from stored subprograms.

Answer: RAISE_APPLICATION_ERROR


PROG-113A / ► Week 14: Handling Exceptions / ► Short Quiz 12

Evaluate the following PL/SQL.

```
DECLARE
v_email VARCHAR(20);
BEGIN
SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';
DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'
|| v_email);
EXCEPTION
WHEN TOO_MANY_ROWS THEN
```

DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');
END;
Answer: The PL/SQL block will run successfully.
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
What is the exception name when single row SELECT returned no data.
Answer: NO_DATA_FOUND
RAISE_APPLICATION_ERROR is used in two different places. These are
_____.
Answer: Executable and exceptions section
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
Evaluate the following PL/SQL. At what line number is the error of the PL/SQL?
DECLARE
v_deptno NUMBER := 800;
e_invalid EXCEPTION;
BEGIN
DELETE FROM departments
WHERE department_id = v_deptno;
IF SQL % NOT_FOUND THEN
RAISE e_invalid;
END IF;
COMMIT;
EXCEPTION
WHEN e_invalid THEN
DBMS_OUTPUT.PUT_LINE('No such department id.');
END;
Answer: 7
What is the last clause in trapping exceptions?
Answer: WHEN OTHERS
Complete the diagram in Trapping Non-Predefined Oracle Server Errors.
Answer: Declare, Associate, Reference

PROG-113A / ► Week 14: Handling Exceptions / ► Learning Activity 12

You can use this procedure to issue user-defined error messages from stored subprograms.
Answer: RAISE_APPLICATION_ERROR
Which of the following syntax to declare EXCEPTION named e_invalid_id?
Answer: e_invalid_id EXCEPTION;
When an exception is predefined by Oracle server, the exception is raised _____ .
Answer: Explicitly
When an exception is user defined, the exception is raised _____ .
Answer: Explicitly
You can trap any error by including a corresponding handler within the exception-handling

section of the PL/SQL block.
Answer: True

PROG-113A / ► Week 13: Interacting with Oracle Server / ► Learning Activity 11

Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
Evaluate the following PL/SQL.
1 DECLARE

2 v_employee_id employees.employee_id%TYPE := 114;

3 BEGIN

4 DELETE employees WHERE employee_id = v_employee_id;

5 END;
Answer: The PL/SQL will delete employee number 114.
Which of the following PL/SQL that will display the total number employees whose salary is 10000 and above?
Answer: DECLARE
v_salary employees.salary%TYPE := 10000;
BEGIN
SELECT COUNT(*) INTO v_salary FROM employees WHERE salary >= v_salary;
DBMS_OUTPUT.PUT_LINE(v_salary);
END;
This is a type of cursor which is created and managed internally by the Oracle server to process SQL statements
Answer: Implicit
You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by twice of their existing salary. Which of the following will execute successfully?
Answer: DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary * 2 WHERE job_id = v_job_id;
END;

PROG-113A / ► Week 12: Introduction to PLSQL / ► Short Quiz 10

Which of the folllowing is TRUE?
Answer: SQL code are embedded withing PL/SQL statements
In the DECLARE section of the PL/SQL block
Answer: All of the choices
In PL/SQL Block Structure, which of the following are OPTIONAL?
Answer: None of the choices

What are the three PL/SQL block types?
Answer: Anonymous, Procedure, Function
How do you test the output of a PL/SQL block?
Answer: Use a predefined Oracle package and its procedure
You want to display the name, salary and tax of employee #150. Which of the PL/SQL will execute successfully? Note tax is computed as 2% of the salary.
Answer: DECLARE
v_first_name VARCHAR2(50);
v_last_name VARCHAR2(50);
v_salary INTEGER(20);
v_tax INTEGER(10);
BEGIN
SELECT first_name, last_name, salary, salary * 0.02 INTO v_first_name, v_last_name, v_salary, v_tax FROM employees WHERE employee_id = 150;
DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
DBMS_OUTPUT.PUT_LINE('Tax : '|| v_tax);
END;
Which of the folllowing statement describes PL/SQL?
Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language


PROG-113A / ► Week 12: Introduction to PLSQL / ► Learning Activity 10
PL/SQL stands for
Answer: Procedural Language extension to SQL
PL/SQL Provides a block structure for executable units of _____.
Answer: Code
In PL/SQL Block Structure, which of the following are mandatory?
Answer: BEGIN and END
Which of the following PL/SQL will execute successfully?
Answer: DECLARE
v_salary INTEGER(20);
BEGIN
SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;
END;
Actions are being performed when error occurs during PL/SQL execution in the
Answer: EXCEPTION




PROG-113A / ► Week 11: Using Subqueries to Solve Queries / ► Short Quiz 9

You want to display the department name the same with the location of the Purchasing department.
Answer: SELECT department_name from departments where location_id = (SELECT location_id from departments where department_name = 'Purchasing')

Evaluate the SQL command
SELECT employee_id, job_id, salary from employees where salary < ALL (SELECT salary FROM employees WHERE job_id = 'FI_ACCOUNT') AND job_id = 'IT_PROG'
Answer: This has no error.

You want to display all records in the database whose salary is above the salary of Alexander Hunold.
Answer: SELECT * from employees WHERE salary < (SELECT salary FROM employees WHERE first_name = 'Alexander' AND last_name = 'Hunold')

Evaluate the SQL command
SELECT employee_id, last_name, first_name, job_id FROM employees WHERE department_id = (SELECT max(department_id) FROM employees GROUP BY department_id)
Answer: This will return an error. Single-row subquery returns more than one row.

You want to display all employee id, name, hired date and salary who are hired after employee 104 was hired.
Answer: SELECT employee_id, last_name, hire_date, salary FROM employees WHERE TO_NUMBER(TO_CHAR(hire_date, 'YYYY')) > (SELECT TO_NUMBER(TO_CHAR(hire_date, 'YYYY')) FROM employees WHERE employee_id = 104)

Which of the following is INCORRECT?
Answer: Use single-row operators with multiple-row subqueries
Which of the folllowing is required in a subquery?
Answer: SELECT
Which of the following is CORRECT about sub-queries?
Answer: Subquery execute before the main query executes.
Evaluate the SQL Command
SELECT job_id, job_title FROM jobs J WHERE INCLUDES
(SELECT * FROM employees WHERE J.job_id = e.job_id );
Answer: The SQL will return an error. Invalid "INCLUDES" parameter.
Evaluate the SQL command
SELECT employee_id, salary from employees where salary = ANY (SELECT salary FROM employees WHERE job_id = 'IT_PROG') AND job_id = 'ST_CLERK'
Answer: This has no error.

The General Manager request to the Database Administrator to generate the total number of parts and total outstanding balance on hand of every class in warehouse number 1&2.
Which of the following SQL command will generate the required output.

-**SELECT warehouse, class, count(partnum), sum(onhand) GROUP BY warehouse,class HAVING warehouse = 1 or warehouse = 2 FROM parts;**

Display the employee's name, job title, job_id and the department name of employees with department id of 100.

-**SELECT E.employee_id, J.job_title, e.job_id, D.department_name**
**FROM employees E**
**JOIN jobs J ON E.job_id = J.job_id**
**JOIN departments D ON E.department_id = D.department_id**
**WHERE E.department_id = 100**

Display the part number whose class is not HW, AG or SG.

-**SELECT partnum FROM parts WHERE NOT IN class ('HW', 'AG', SG')**

Which of the following SELECT statement is the correct report that will rename the column DESCRIPTION to TITLE, PARTNUM to ID and ONHAND to STOCK?

-. **SELECT DESCRIPTION RENAME AS TITLE, PARTNUM RENAME AS ID, ONHAND RENAME AS STOCK FROM PARTS;**

A join between two tables that returns the results of an INNER join as well as the results of a left and right join is a _____.

-**FULL OUTER JOIN**

Which of the following is NOT a task of a Database Administrator

-**None of the choices**

SELECT employee_id, min_salary, max_salary FROM employees, departments WHERE salary>= 10000 && salary <= 20000

-**The SQL command will produce an error.**

These are collection of objects such as tables, views, and sequences.

-**Container'**

Display the first 5 letter in the surname of all the employees whose firstname starts with letter 'N'

-**SELECT SUBSTR(last_name,1,5), first_name FROM employees WHERE SUBSTR(first_name,1,1) IN 'N'**

Which of the following SELECT statement is the correct PL/SQL that will display all rows and columns?

-**SELECT FROM TABLE PARTS;**

Display all employees whose job id contains the word 'ACCOUNT'.

-**SELECT * FROM EMPLOYEES WHERE job_id LIKE '%ACCOUNT%';**

Display employee's name and id whose firstname starts with letter D and job id is IT_PROG.

**-SELECT employee_id, first_name, last_name FROM employees ORDER BY department_id WHERE first_name LIKE 'D%' and job_id = 'IT_PROG'**

The following are capabilities of SQL SELECT

**-Create records, Remove Table, Edit record**

Display the part number whose class is not HW, AG or SG.

**-SELECT partnum FROM parts WHERE class NOT IN = ('HW', AG', SG')**

Each row of data in a table can be uniquely identified by a

**-foreign key**

Which of the following SELECT statement is the correct report that will display the unique value for WAREHOUSE renames the column as "No. of Available Warehouse".

**- SELECT DISTINCT COLUMN WAREHOUSE AS "No. of available warehouse" FROM PARTS;**

Display the employee id and the last name of every employee in the company whose salary is between 5000 to 10000. Display the output in a single column with the format 100 : King Label the column as Employee

**- SELECT CONCAT(CONCAT(employee_id, ':'), last_name) AS Employee, salary FROM employees WHERE salary >= 5000 AND salary <= 10000**

You want to display the employee's last name and date hired in year 2000 to2006 whose salary is above 5000. Which SQL statement give the required output?

**- SELECT last_name, hire_date FROM employees WHERE hire_date>= TO_DATE('01-Jan-2000', 'DD-Mon-YYYYY') AND hire_date<= TO_DATE('31-Dec-2006', 'DD-Mon-YYYY') AND salary ABOVE 5000;**

Display all location id between 1000 to 2000.

**- DISPLAY location_id FROM departments WHERE location_id BETWEEN 1000 TO 2000**

PROG-113A / ► Week 20: Second Quarter Exam / ► Second Quarter Exam (50/50) (PS: Pabago bago ang questions, pero same lang sa ibang short quizes or learning activity yung questions and sagot) ❤️ 😃

Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
You want to display all the records of employee the same with the salary employee number 103.
Answer: SELECT * FROM employees WHERE salary = (SELECT salary from employees where employee_id= 103)
Which of the following stored procedure to create a procedure to that will be used to display the employee id and salary of Steven King?
Answer: CREATE OR REPLACE PROCEDURE query_emp
(p_last_name IN employees.last_name%TYPE,
p_first_name IN employees.first_name%TYPE,
p_employee_id OUT employees.employee_id%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN
SELECT employee_id, salary INTO p_employee_id, p_salary

FROM employees
WHERE last_name = p_last_name AND first_name = p_first_name;
END query_emp;
Which of the folllowing is TRUE?
Answer: SQL code are embedded within PL/SQL statements
When an exception is user defined, the exception is raised _____ .
Answer: Explicitly
Which of the folllowing is TRUE?
Answer: SQL code are embedded withing PL/SQL statements
Weak REF CURSOR is very flexible.
Answer: True
How do you test the output of a PL/SQL block?
Answer: Use a predefined Oracle package and its procedure
Restrictive, specifies a RETURN type, associates only with type-compatible queries are description
of a _____.
Answer: Strong REF CURSOR
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
These are local variables declared in the parameter list of a subprogram specification.
Answer: Formal parameter
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
When an exception is predefined by Oracle server, the exception is raised _____ .
Answer: Explicitly
Which of the following DOES NOT describes an exception?
Answer: Exception is a PL/SQL error that is raised before program execution.
Evaluate the following PL/SQL.
CREATE OR REPLACE PROCEDURE query_employee
(p_id IN employees.employee_id%TYPE,
p_name OUT employees.last_name%TYPE,
p_salary OUT employees.salary%TYPE) IS
BEGIN SELECT last_name, salary INTO p_name, p_salary
FROM employeesWHERE employee_id = p_id;
END query_employee
Answer: No error
You want to know the total number of employees whose firstname starts with letter D.
Which of the folllowing PLS/SQL executes successfully?
Answer: DECLARE
v_first_name employees.first_name%TYPE := 'D%';
BEGIN
SELECT COUNT(*) INTO v_first_name FROM employees WHERE first_name LIKE v_first_name;
DBMS_OUTPUT.PUT_LINE(v_first_name);
END;
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
You want to display the name, salary and tax of employee #150. Which of the PL/SQL will execute
successfully? Note tax is computed as 2% of the salary.
Answer: DECLARE
v_first_name VARCHAR2(50);
v_last_name VARCHAR2(50);
v_salary INTEGER(20);
v_tax INTEGER(10);
BEGIN

SELECT first_name, last_name, salary, salary * 0.02 INTO v_first_name, v_last_name, v_salary, v_tax FROM employees WHERE employee_id = 150;
DBMS_OUTPUT.PUT_LINE('Firstname : '|| v_first_name);
DBMS_OUTPUT.PUT_LINE('Lastname : '|| v_last_name);
DBMS_OUTPUT.PUT_LINE('Salary : '|| v_salary);
DBMS_OUTPUT.PUT_LINE('Tax : '|| v_tax);
END;
Which of the following is the syntax to close a cursor?
Answer: CLOSE cursor_variable_name;
Which of the following rules is INCORRECT about cursor variables?
Answer: None of the choices.
What are the three PL/SQL block types?
Answer: Anonymous, Procedure, Function
You can trap any error by including a corresponding handler within the exception-handling section of the PL/SQL block.
Answer: True
Which of the following describes weak REF CURSOR?
Answer: Associates with any query
Given the answer in item _____, which of the folllowing stored procedure will display the employee id and salary of Steven King?
Answer: DECLARE
v_employee_id employees.employee_id%TYPE;
v_emp_sal employees.salary%TYPE;
BEGIN
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal, '$999,999.00'));
END;
You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by 50% of their existing salary.
Which of the following will execute successfully?
Answer: DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary *0.50 WHERE job_id = v_job_id;
END;
Which of the folllowing is required in a subquery?
Answer: SELECT
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
In the DECLARE section of the PL/SQL block,
Answer: All of the choices
Actions are being performed when error occurs during PL/SQL execution in the
Answer: EXCEPTION
What is the exception name when PL/SQL has an internal problem
Answer: PROGRAM_ERROR
Which of the folllowing statement describes PL/SQL?
Answer: PL/SQL is an Oracle proprietary, procedural, 3GL programming language
Evaluate the following PL/SQL.
DECLARE
v_employee_id employees.employee_id%TYPE := 114;
BEGIN
DELETE employees WHERE employee_id = v_employee_id;

END;
Answer: The PL/SQL will delete employee number 114.
Which of the following command is used to create a stand-alone procedure that is stored in the Oracle database?
Answer: CREATE PROCEDURE
Evaluate the following PL/SQL.
DECLARE
v_email VARCHAR(20);
BEGIN
SELECT email INTO v_email FROM EMPLOYEES WHERE email like 'D%';
DBMS_OUTPUT.PUT_LINE ('Employees whose email address starts with letter D :'
|| v_email);
EXCEPTION
WHEN TOO_MANY_ROWS THEN
DBMS_OUTPUT.PUT_LINE (' Your select statement retrieved multiple rows.');
END;
Answer: The PL/SQL block will run successfully.
Which of the following is the syntax to define a REF CURSOR type?
Answer: TYPE ref_type_name IS REF CURSOR
[RETURN return_type];
The PL/SQL code block helps modularize code by using:
Answer: All of the choices
Which of the following is the syntax to fetch from a cursor variable?
Answer: FETCH cursor_variable_name INTO variable_name1
[,variable_name2,. . .] | record_name;
You want to display all records in the database whose salary is above the salary of Alexander Hunold.
Answer: SELECT * from employees WHERE salary < (SELECT salary FROM employees WHERE first_name = 'Alexander' AND last_name = 'Hunold')
Procedure can be stored in the database as a schema object.
Answer: True
In PL/SQL Block Structure, which of the following are mandatory?
Answer: BEGIN and END
PL/SQL stands for
Answer: Procedural Language extension to SQL
Which of the following is CORRECT about sub-queries?
Answer: Subquery execute before the main query executes.
Which of the following does NOT describes SELECT Statement in a PL/SQL.
Answer: Queries must return only one column.
PL/SQL Provides a block structure for executable units of _____.
Answer: Code
Evaluate the SQL command
SELECT employee_id, salary from employees where salary = ANY (SELECT salary FROM employees WHERE job_id = 'IT_PROG') AND job_id = 'ST_CLERK'
Answer: This has no error.
Which of the following PL/SQL will execute successfully?
Answer: DECLARE
v_salary INTEGER(20);
BEGIN
SELECT salary INTO v_salary FROM employees WHERE employee_id = 150;
END;
In PL/SQL Block Structure, which of the following are OPTIONAL?
Answer: None of the choices

Evaluate the following PL/SQL. At what line number is the error of the PL/SQL?
DECLARE
v_deptno NUMBER := 800;
e_invalid EXCEPTION;
BEGIN
DELETE FROM departments
WHERE department_id = v_deptno;
IF SQL % NOT_FOUND THEN
RAISE e_invalid;
END IF;
COMMIT;
EXCEPTION
WHEN e_invalid THEN
DBMS_OUTPUT.PUT_LINE('No such department id.');
END;
Answer: 7
What is the error trapping function that returns the numeric value of the error code?
Answer: SQLCODE
Fetch into a record when fetching from a cursor.
Answer: True

# JAVA II

True or False: Evaluating the options require determining the advantages and disadvantages of each option. - **TRUE**

True or False: According to Hicks, the first step in an effective problem solving process is clearly defining the problem. - **TRUE**

Who among the following can give feedback to an employee? -  **All of the choices**

True or False: In identifying the problem, it should be specific and not broad or vague. - **TRUE**

True or False: You should also look at the problem from a different point of view and listen to others' suggestion. This is the third step – listing all possible solutions. - **FALSE**

Which one of the following statements is FALSE? - **Communication involves talking and listening only.**

Few programmers are complaining about slow Internet connection and this affects their work. This cause is categorized in - **EQUIPMENT**

I've purchased a modern gaming mouse but it doesn't have a PS/2 plug. Where I connect it? **- D**

Windows is to Personal Computer (PC) while Mac OSX is to Mac laptops and computers. - **True**

COBOL stands for Convenient Business Oriented Language. - **False**

C++, an extension of the C language, introduced object-oriented programming. - **True**

LISP and PROLOG are programming languages that are best used when dealing with Artificial Intelligence. - True

FORTRAN was the first ever "modern" computer language. - **true**

I think I plugged the speakers wrong. The power is turned on but I can't hear any sound Which port should I check? **- F**

Enforcing environmental policies is one of the major causes of job loss and unemployment. - **False**

True or False: Dates in file names should be written in YYYY-MM-DD format. - **False**

Big business companies are the only ones responsible for enforcing environmental policies since they can afford alternative cleaner technology. - **False**

Pre-review activities in the review process includes review planning, preparation and individual review. - **true**

Increase work productivity by arranging items in such a way that they are easy to find and pick up. - **true**

Montreal protocol protects the ozone layer by _____. - **phasing out harmful substances**

Business industries will not be affected by the environmental crisis. - **False**

True or False: Protocols are set of standards rules which describes how something should be done and different companies have different protocols as well. - **true**

Presidential Decree No. 856 is an international treaty that imposes limitations on the greenhouse gas emissions of several countries. - **True**

True or False: Organizational aims are different from the mission statement; they refer to the results an organization is aspiring for. - **true**

The cost / benefit analysis document is appropriately named. - **False**

A printed progress report to be submitted to the adviser. - **purpose**

True or False: Statutory requirements are identified by the vendors or suppliers and they include value, stability, diversity and capacity. - **False**

As long as the demands of the clients are met and the business is flourishing, there's no more need to bother about the effects of one's business to the environment. - **False**

Identify whether the statement is a strength, weakness, opportunity or threat: The student record system could be used by other schools other than Ricka's school. -

**opportunity**

True or False: Reviewing the related literature includes review of concepts, theories and previous research findings. - **true**

Companies can freely make their own set of environmental policies without consulting the workers' union, or any local or national laws about it. - **False**

Kyoto protocol addresses environmental issues through the campaign of _____. - **reducing greenhouse gas emissions**

Humans rely on natural resources for survival. - **true**

Quantitative research, compared to qualitative research, uses measurable  - **Data**

ISO/IEC 25010:2011's product quality model has eight (8) major characteristics. - **true**

True or False: Usually, the summary of the report is the first thing that's being read. - **true**

_____ is when you conduct regular audits and inspections to evaluate your work performance. - **Shitsuke**

"XYZ is so cool! I tried to install it in my old computer and it still runs smoothly. Given that the computer's video card is a bit faulty." - **Reliability**

True or False: There are five main elements of a written report – topic, style, structure, facts and contents. - **false**

True or False: To gather data, you can either conduct an interview, survey, observation, mail questionnaire, coding and tabulation. - **false**

PROG LONG QUIZ 4

Question 1
Complete
Mark 3.00 out of 3.00

Flag question

Question text

Given the answer in item _____, which of the folllowing stored procedure will display the employee id and salary of Steven King?

Select one:

a. DECLARE
v_employee_id employees.employee_id%TYPE;
v_emp_sal employees.salary%TYPE;

```
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
BEGIN
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal,
'$999,999.00'));
END;
```

○ b. DECLARE
```
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
BEGIN
v_employee_id employees.employee_id VARCHAR(10);
v_emp_sal employees.salary NUMERIC(10);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal,
'$999,999.00'));
END;
```

○ c. DECLARE
```
v_employee_id employees.employee_id VARCHAR(10);
v_emp_sal employees.salary NUMERIC(10);
BEGIN
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal,
'$999,999.00'));
END;
```

◉ d. DECLARE
```
v_employee_id employees.employee_id%TYPE;
v_emp_sal employees.salary%TYPE;
BEGIN
query_emp('King', 'Steven', v_employee_id, v_emp_sal);
DBMS_OUTPUT.PUT_LINE('Employee ID ' || v_employee_id ||' earns '|| to_char(v_emp_sal,
'$999,999.00'));
END;
```

Question **2**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

The PL/SQL code block helps modularize code by using:

Select one:

◉ a. All of the choices

○ b. Database triggers

○ c. Packages

○ d. Procedures

e. Anonymous blocks

f. Functions

Flag question

Question text

Which of the following rules is INCORRECT about cursor variables?

Select one:

a. You cannot assign a null value to cursor variables.

b. Cursors and cursor variables are not interoperable.

c. You cannot use REF CURSOR types in CREATE TABLE or VIEW statements.

d. You cannot use comparison operators to test cursor variables.

e. None of the choices.

f. You cannot use cursor variables with remote subprograms on another server.

Flag question

Question text

Which of the following is the syntax to close a cursor?

Select one:

a. SET cursor_variable_nameCLOSE;

b. CLOSE cursor_variable_name;

c. EXIT cursor_variable_name;

d. QUIT cursor_variable_name;

Question text

Which of the folllowing is TRUE?

Select one:

○ a. PL/SQL statements are embedded within SQL code.

○ b. None of the choices

◉ c. SQL code are embedded within PL/SQL statements

○ d. You can embed procedural construct within SQL code

Question **6**
Complete
Mark 1.00 out of 1.00

Question text

Use column aliases in cursors for calculated columns fetched into records declared with %COLUMNTYPE.

Select one:
○ True

◉ False

Question **7**
Complete
Mark 1.00 out of 1.00

Question text

This is a subset of an existing data type that may place a constraint on its base type.

Select one:

◉ a. Subtype

○ b. Index

○ c. Data dictionary

○ d. Data

○ e. Schema

**Question 8**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

What is the default parameter mode when no mode is specified?

Select one:

● a. IN

○ b. DEFAULT

○ c. OUT

○ d. IN OUT

**Question 9**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

When an exception is predefined by Oracle server, the exception is raised _____ .

Select one:

○ a. Implicitly

○ b. Interactively

○ c. Exclusively

● d. Explicitly

○ e. None of the choices

**Question 10**
Complete

Mark 1.00 out of 1.00

Flag question

Question text

Evaluate the following PL/SQL. Which of the following will line creates an error?

1. CREATE OR REPLACE PROCEDURE query_emp
2. (
3. p_department_id   IN  employees.department_id%TYPE,
4. p_name   OUT employees.last_name%TYPE,
5. p_salary OUT employees.salary%TYPE
6. )
7. IS
8. BEGIN
9. SELECT  last_name, salary, department_id INTO p_name, p_salary, p_department_id
10. FROM    employees
11. WHERE   salary >= p_salary AND department_id = p_department_id ;
12. END query_emp;

Select one:

a. Line 1

b. Line 5

c. Line 9

d. Line 3

e. No error

f. Line 11

Question **11**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

These are local variables declared in the parameter list of a subprogram specification.

Select one:

○ a. Formal parameter

○ b. Actual arguments

○ c. Passing parameter

○ d. Actual parameter

Flag question

Question text

Which of the following is the syntax to open a cursor varial

Select one:

○ a. SET cursor_variable_name
FOR select_statement;

○ b. GET cursor_variable_name
FOR select_statement;

◉ c. OPEN cursor_variable_name
FOR select_statement;

○ d. LOAD cursor_variable_name
FOR select_statement;

Flag question

Question text

Which if the following is NOT a benefits of using modular program constructs?

Select one:

○ a. Improved data security and integrity

○ b. Improved code clarity

○ c. Improved performance

◉ d. None of the choices

○ e. Easy maintenance

Question **14**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Which of the following command is used to create a stand-alone procedure that is stored in the Oracle database?

Select one:

○ a. PROCEDURE

○ b. BUILD PROCEDURE

○ c. CREATE

○ d. DO PROCEDURE

◉ e. CREATE PROCEDURE

Question **15**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

Weak REF CURSOR is very flexible.

Select one:

◉ True

○ False

Question **16**
Complete
Mark 1.00 out of 1.00

Question text

Which of the following is the syntax to fetch from a cursor variable?

Select one:

○ a. FETCH cursor_variable_name INTO variable_name1 [,variable_name2,. . .] | record_name;

○ b. GET cursor_variable_name INTO variable_name1 [,variable_name2,. . .] | record_name;

○ c. POST cursor_variable_name INTO variable_name1 [,variable_name2,. . .] | record_name;

○ d. RETRIEVE cursor_variable_name INTO variable_name1 [,variable_name2,. . .] | record_name;

Question **17**
Complete
Mark 1.00 out of 1.00

Question text

PL/SQL stands for

Select one:

○ a. Procedural Language extension to SQL

○ b. Procedural Libraries of SQL

○ c. Procedural Logic of SQL

○ d. Process Linkage to SQL

Question **18**
Complete
Mark 1.00 out of 1.00

**Question text**

Which of the following is the syntax to define a REF CURSOR type?

Select one:

○ a. DECLARE ref_type_name AS REF CURSOR
[RETURN return_type];

○ b. DEFINE ref_type_name AS REF CURSOR
[RETURN return_type];

◉ c. TYPE ref_type_name IS REF CURSOR
[RETURN return_type];

○ d. SET ref_type_name IS REF CURSOR
[RETURN return_type];

Question **19**
Complete
Mark 1.00 out of 1.00

Flag question

**Question text**

What is the error trapping function that returns the numeric value of the error code?

Select one:

◉ a. SQLCODE

○ b. ERRORCODE

○ c. SQL_ERRORCODE

○ d. ERROR_CODE

Question **20**
Complete
Mark 1.00 out of 1.00

Flag question

**Question text**

What are the three PL/SQL block types?

Select one:

◉ a. Anonymous, Procedure, Function

○ b. SELECT, UPDATE, INSERT

○ c. Add, Edit, Delete

○ d. DECLARE, BEGIN, END

Flag question

Question text

Evaluate the following PL/SQL.

1. DECLARE
2.      v_employee_id employees.employee_id%TYPE := 114;
3. BEGIN
4.      DELETE employees WHERE employee_id = v_employee_id;
5. END;

Select one:

○ a. To execute successfully delete line 1,2,3,5.

○ b. The PL/SQL will produce an error in line 4.

● c. The PL/SQL will delete employee number 114.

○ d. The PL/SQL will produce an error in line 2.

Flag question

Question text

You have been tasked to update the database by creating a PL/SQL to increase the salary of all IT Programmer employees by 100% of their existing salary. Which of the following will execute successfully?

Select one:

○ a. DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary * 2 WHERE job_id = v_job_id;
END;

○ b. DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
v_salary employees.salary := salary;
BEGIN
UPDATE employees SET v_salary = salary * 1.00 WHERE v_job_id = job_id;
END;

○ c. DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
BEGIN
UPDATE employees SET salary = salary * 100% WHERE job_id = v_job_id;
END;

○ d. DECLARE
v_job_id employees.job_id%TYPE := 'IT_PROG';
v_salary employees.salary := salary;
BEGIN
UPDATE employees SET salary = v_salary * 0.100% WHERE job_id = v_job_id;
END;

Question **23**
Complete
Mark 1.00 out of 1.00

Flag question

Question text

This is a type of cursor which is created and managed internally by the Oracle server to process SQL statements

Select one:

○ a. Interactive

◉ b. Implicit

○ c. Explicit

○ d. Exclusive

○ e. Coded

Question **24**
Complete
Mark 1.00 out of 1.00

Question text

Which of the following describes weak REF CURSOR?

Select one:

○ a. Restrictive

○ b. All of the choices

○ c. Is not flexible

◉ d. Associates with any query

Question **25**
Complete
Mark 1.00 out of 1.00

Question text

Evaluate the following PL/SQL.

1. DECLARE
2.     v_employee_id employees.employee_id%TYPE := 114;
3. BEGIN
4.     DELETE employees WHERE employee_id = v_employee_id;
5. END;

Select one:

○ a. To execute successfully delete line 1,2,3,5.

○ b. The PL/SQL will produce an error in line 4.

◉ c. The PL/SQL will delete employee number 114.

○ d. The PL/SQL will produce an error in line 2.

Question **26**
Complete
Mark 1.00 out of 1.00

Question text

What is the exception name when PL/SQL has an internal problem

Select one:

○ a. ERROR_MSG

○ b. EXECUTION_ERROR

○ c. RUNTIME_ERROR

◉ d. PROGRAM_ERROR

Question **27**
Complete
Mark 1.00 out of 1.00

Question text

Which of the folllowing does NOT describes subprogram?
i. Compiled only once
ii. Stored in the database
iii. Do not return values
iv. Can take parameters
v. Unnamed PL/SQL blocks

Select one:

○ a. iii & v

○ b. iii & iv

○ c. ii & v

◉ d. iii & v

○ e. i & iii

Question **28**
Complete
Mark 1.00 out of 1.00

Question text

Evaluate the following. What will be the output?

```
1.  DECLARE
2.    SUBTYPE Accumulator IS NUMBER (4,2);
3.    v_amount  accumulator;
4.    v_num1   NUMBER;
5.    v_num2   NUMBER;
6.    v_num3   NUMBER;
7.  BEGIN
8.    v_amount := 10.50;
9.    v_num1  := 1;
10.   v_num2  := 2;
11.   v_num3  := 3;
12.   v_num1 := v_amount;
13.   v_num2 := v_num1 + v_amount;
14.   v_num2 := v_num2 - v_num3;
15.
16.   dbms_output.put_line('Total is: ' || v_num2);
17.
18. END;
```

Select one:

○ a. None of the choices

○ b. -1

○ c. 8.5

◉ d. 18

Question **1**
Complete
Mark 2.00 out of 2.00

You want to display all the job position titles whose salary is salary from 5,000 to 12,000 arrange from highest to lowest

Select one:

○ a. SELECT job_title FROM jobs WHERE min_salary >= 5000 AND max_salary<= 10000

○ b. SELECT job_title FROM employees WHERE salary >= 5000 AND salary <= 10000

○ c. SELECT employees_id, job_title FROM employees WHERE salary >= 5000 AND salary <= 10000

○ d. SELECT job_title FROM jobs WHERE salary >= 5000 AND salary <= 10000

Question **2**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

What is the SQL command to count the number of records in the employees table?

Select one:

○ a. SELECT ALL FROM employees

○ b. SELECT * FROM employees;

◉ c. SELECT COUNT(*) FROM employees

○ d. SELECT SUM(*) FROM employees;

Question **3**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

True or False. The AND, OR, NOT are comparison operators.

Select one:

○ True

◉ False

Flag question

Question text

Evaluate the following SQL command
SELECT * FROM jobs WHERE job_title LIKE 'Manager%'

Select one:

- a. The SQL command will produce an error.

- b. The SQL command will display all employees with Manager position

- c. The SQL command will display all records in the database

- ● d. No records will be displayed

Flag question

Question text

You want to display all the employee id and the month an employee was hired.
Which SQL statement give the required output?

Select one:

- a. SELECT employee_id, hire_date, TO_DATE(hire_date,'Month') AS "Hired Month", job_id FROM

- b. SELECT employee_id, hire_date, MONTH(hire_date,'Month') AS "Hired Month", job_id FROM employees

- ● c. SELECT employee_id, hire_date, TO_CHAR(hire_date,'Month') AS "Hired Month", job_id FROM employees

- d. SELECT employee_id, hire_date, TO_MONTH(hire_date,'Month') AS "Hired Month", job_id FROM employees

Question text

You want to generate the total salary per month of every department in the company.

Select one:

○ a. SELECT department_id, salary FROM employees ORDER BY SUM(salary)

○ b. SELECT department_id, TOTAL(salary) FROM employees GROUP BY department_id

○ c. SELECT department_id, salary FROM employees GROUP BY SUM(salary) ORDER BY department_id

◉ d. SELECT department_id, SUM(salary) FROM employees GROUP BY department_id

Question **7**
Complete
Mark 2.00 out of 2.00

Question text

You want to display the employee's last name whose salary is below 10,000 and whose lastname starts with letter D.
Which SQL statement give the required output format of the salary?

Select one:

○ a. SELECT last_name, TO_INT(salary, '$999,999.99') AS "MONTHLY SALARY" FROM employees WHERE salary < 10,000 WHERE last_name STARTS 'D%'

○ b. SELECT last_name, TO_CHAR(salary, '$999,999.99') AS "MONTHLY SALARY" FROM employees WHERE salary < 10000 WHERE last_name LIKE 'D%'

◉ c. SELECT last_name, TO_INTEGER(salary, $999,999.99) AS "MONTHLY SALARY" FROM employees WHERE salary < 10000 WHERE last_name IN 'D%'

○ d. SELECT last_name, TO_NUMBER(salary, '$999,999.99') AS "MONTHLY SALARY" FROM employees WHERE salary < 10,000 WHERE last_name = 'D%'

Question **8**
Complete
Mark 2.00 out of 2.00

Question text

Display the lastname of every employee in the company. Display the output in a single column and label it as Fullname
Format: JuanReyes

Select one:

○ a. None of the choices

○ b. SELECT CONCATENATE(first_name, last_name) AS Fullname FROM employees

○ c. SELECT CONCAT(first_name, last_name) FROM employees

◉ d. SELECT CONCAT(first_name, last_name) AS Fullname FROM employees

Question **9**
Complete
Mark 0.00 out of 2.00

Question text

Display the first 5 letter in the surname of all the employees whose firstname starts with letter 'N'

Select one:

◉ a. SELECT SUBSTR(last_name,1,5), first_name FROM employees WHERE first_name IN 'N'

○ b. SELECT SUBSTR(last_name,1,5), first_name FROM employees WHERE SUBSTR(first_name,1,1) = 'N'

○ c. SELECT SUBSTR(surname,1,5), first_name FROM employees WHERE SUBSTR(first_name,1,1) IN 'N'

○ d. SELECT SUBSTR(surname,1,5), first_name FROM employees WHERE first_name = 'N'

○ e. SELECT SUBSTR(last_name,1,5), first_name FROM employees WHERE SUBSTR(first_name,1,1) IN 'N'

Question **10**
Complete
Mark 2.00 out of 2.00

Question text

Austin David was transferred to Purchasing Department. You are assigned to update the database. Which of the following SQL command will satisfy the requirements?

Select one:

○ a. UPDATE first_name = 'David' AND last_name = 'Austin' FROM employees SET department_id = 30

○ b. UPDATE department_id = 30 WHERE first_name = 'David' AND last_name = 'Austin'

○ c. UPDATE employees WHERE department_id = 30 SET first_name = 'David' AND last_name = 'Austin'

◉ d. UPDATE employees SET department_id = 30 WHERE first_name = 'David' AND last_name = 'Austin'

Question **11**
Complete
Mark 2.00 out of 2.00

Question text

John want to know how many employees receiving salary below 10,000.
What SQL command he need to run?

Select one:

◉ a. SELECT COUNT(*) FROM employees WHERE salary < 10000;

○ b. SELECT COUNT(salary) FROM employees WHERE salary < 10,000;

○ c. SELECT COUNT(emp_id) FROM employees WHERE salary <= 10000;

○ d. SELECT salary FROM COUNT(employees)WHERE salary < 10000;

Question **12**
Complete
Mark 2.00 out of 2.00

Question text

Evaluate the following SQL command
SELECT employee_id, salary, department_id FROM employees WHERE department_id IN (60,70)

Select one:

○ a. The SQL command will produce an error.

○ b. The SQL command will display employees with department id 60 and 70.

○ c. The SQL command will give an incorrect output.

⦿ d. The SQL command will display employees with department id 60 or 70.

Question **13**
Complete
Mark 2.00 out of 2.00

Question text

You want to display the employee's last name and date hired in year 2000 to2006 whose salary is above 5000. Which SQL statement give the required output?

Select one:

⦿ a. SELECT last_name, hire_date FROM employees WHERE hire_date>= TO_DATE('01-Jan-2006', 'DD-Mon-RR') AND hire_date<= TO_DATE('31-Dec-2006', 'DD-Mon-RR') AND salary > 5000;

○ b. SELECT last_name, hire_date FROM employees WHERE hire_date>= TO_DATE('Jan-2000', 'Month-YYYY') AND hire_date<= TO_DATE('Dec-2006', 'Month-'YYYY') AND salary > 5,000;

○ c. SELECT last_name, hire_date FROM employees WHERE hire_date>= TO_DATE('01-Jan-2000', 'DD-Mon-YYYYY') AND hire_date<= TO_DATE('31-Dec-2006', 'DD-Mon-YYYY') AND salary ABOVE 5000;

○ d. SELECT last_name, hire_date FROM employees WHERE hire_date>= TO_DATE('2000', 'YYYY') AND hire_date<= TO_DATE('2006', 'YYYY') OR salary > 5000;

Question **14**
Complete
Mark 2.00 out of 2.00

Question text

List all employees except for IT_PROG job id.

Select one:

- ○ a. SELECT *FROM employees EXCEPT JOB_ID != 'IT_PROG'
- ○ b. SELECT *FROM employees WHERE JOB_ID NOT IN ('IT_PROG')
- ○ c. SELECT *FROM employees WHERE JOB_ID <> 'IT_PROG'
- ● d. All of the choices

Question **15**
Complete
Mark 2.00 out of 2.00

Question text

Evaluate the following SQL command
SELECT employee_id, min_salary, max_salary FROM employees, departments WHERE salary>= 10000 && salary <= 20000

Select one:

- ○ a. The SQL will produce Cartesian Product
- ○ b. The SQL will display the employee id, department id and the minimum and maximum salary whose salary is between 10000 and 20000.
- ● c. The SQL command will produce an error.
- ○ d. The SQL command will give an incorrect output.

Question **16**
Complete
Mark 2.00 out of 2.00

Question text

Display all the records in the employee table. Arrange the output in by lastname from A-Z order.

Select one:

○ a. SELECT * FROM employees SORT BY lastname

◉ b. SELECT * FROM employees ORDER BY lastname

○ c. SELECT * FROM employees ORDER BY lastname AZ

○ d. SELECT * FROM employees SORT BY lastname ascending

Question **17**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

Display employee's name and id whose firstname starts with letter D and job id is IT_PROG. Sort the output by department.

Select one:

○ a. SELECT employee_id, first_name, last_name FROM employees ORDER BY department_id WHERE first_name LIKE 'D%' and job_id = 'IT_PROG'

○ b. SELECT employees FROM employee_id, first_name, last_name WHERE first_name LIKE 'D%' and job_id = 'IT_PROG' ORDER BY department_id

○ c. SELECT employee_id, first_name, last_name FROM employees WHERE job_id = 'IT_PROG' OR first_name LIKE 'D%' and ORDER BY department_id

◉ d. SELECT employee_id, first_name, last_name FROM employees WHERE first_name LIKE 'D%' and job_id = 'IT_PROG' ORDER BY department_id

Question **18**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

You what to generate the average salary of all employees whose job function is FI_ACCOUNT. Which of the following SQL command will produce the output.

Select one:

○ a. SELECT AVERAGE(salary) FROM employees WHERE job_id = 'FI_ACCOUNT';

b. SELECT AVG(salary) FROM employees WHERE job_id = 'FI_ACCOUNT';

c. SELECT AVE(salary) FROM employees WHERE job_id = 'FI_ACCOUNT';

d. SELECT COUNT AVG(salary) FROM employees WHERE job_id = 'FI_ACCOUNT';

Question **19**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

Display all location id between 1000 to 2000.

Select one:

a. DISPLAY location_id FROM departments WHERE location_id LING 1000 UP TO 2000

b. DISPLAY location_id FROM departments WHERE location_id BETWEEN 1000 TO 2000

c. SELECT location_id FROM departments WHERE location_id IN 1000 AND 2000

d. SELECT location_id FROM departments WHERE location_id BETWEEN 1000 AND 2000

Question **20**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

What will be the SQL command if every employee will be given a productivity bonus which is equivalent to 3% of the monthly salary?
Display the employee id, salary and the productivity bonus.

Select one:

a. SELECT employee_id, salary, salary + (salary .03) FROM employees

b. SELECT employee_id, salary, salary * .03 FROM employees

c. SELECT employee_id, salary, salary * 1.03 FROM employees

d. SELECT employee_id, salary FROM employees WHERE salary)

e. SELECT employee_id, salary, salary * .30 FROM employees

Question **21**

Complete
Mark 2.00 out of 2.00

Flag question

Question text

Display the employee id, salary, number of years and the hiring date of every employee in the company.

Select one:

○ a. SELECT employee_id,salary, hire_date, hire_date- SYSDATE /365 FROM employees;

◉ b. SELECT employee_id, salary, hire_date, ROUND((SYSDATE - hire_date) /365,0) FROM employees;

○ c. SELECT employee_id, salary, hire_date, hire_date /365 FROM employees;

Question **22**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

Display the employee's name, job title, job_id and the department name of employees with department id of 100.

Select one:

◉ a. SELECT E.employee_id, J.job_title, e.job_id, D.department_name
FROM employees E
JOIN jobs J ON E.job_id = J.job_id
JOIN departments D ON E.department_id = D.department_id
WHERE E.department_id = 100

○ b. SELECT E.employee_id, J.job_title, e.job_id, D.department_name
FROM employees E
JOIN department D ON E.job_id = J.job_id
JOIN jobs J ON E.department_id = D.department_id
WHERE E.department_id = 100

○ c. SELECT E.employee_id, J.job_title, e.job_id, D.department_name
FROM jobs J
INNER JOIN department D ON E.job_id = J.job_id
INNER JOIN employees EON E.department_id = D.department_id
WHERE E.department_id = 100

d. SELECT E.employee_id, J.job_title, e.job_id, D.department_name
FROM jobs J
NATURAL JOIN department D ON E.job_id = J.job_id
NATURAL JOIN employees E ON E.department_id = D.department_id
WHERE E.department_id = 100

Question **23**
Complete
Mark 2.00 out of 2.00

Flag question

Question text

In creating Joins,the NATURALJOIN and USING clauses are_____

Select one:

a. Mutually Inclusive

b. Limited to 2 relational tables

c. Opposite

◉ d. Mutually Exclusive

Question **24**
Complete
Mark 4.00 out of 4.00

Flag question

Question text

Display employee id, lastname, firstname, department name, annual salary, location id of employees whose location id is 1700 and working in Finance Department. Label the annual salary to ANNUAL SALARY.
Sort the output in from highest to lowest salary. (4 POINTS)

Select one:

a. SELECT E.employee_id, E.last_name, E.first_name, D.department_name, E.salary*12 AS "ANNUAL SALARY", D.location_id
FROM employees E
NATURAL JOIN jobs J ON E.job_id = J.job_id
NATURAL JOIN departments D ON E.department_id = D.department_id
ORDER BY "ANNUAL SALARY" DESC
WHERE D.location_id = 1700 AND D.department_name = 'Finance'

b. SELECT E.employee_id, E.last_name, E.first_name, D.department_name, E.salary*12 AS "ANNUAL SALARY", D.location_id
FROM employees E
JOIN jobs J ON E.job_id = J.job_id
JOINemployees E ON E.department_id = D.department_id
WHERE D.location_id = 1700 AND D.department_name = 'Finance'
ORDER BY "ANNUAL SALARY" DESC

c. SELECT E.employee_id, E.last_name, E.first_name, D.department_name, E.salary*12 AS "ANNUAL SALARY", D.location_id
FROM employees E
JOIN jobs J ON E.job_id = J.job_id
JOIN departments D ON E.department_id = D.department_id
WHERE D.location_id = 1700 AND D.department_name = 'Finance'
ORDER BY "ANNUAL SALARY" DESC

d. SELECT E.employee_id, E.last_name, E.first_name, D.department_name, E.salary*12 AS "ANNUAL SALARY", D.location_id
FROM employees E
OUTER JOIN jobs J ON E.job_id = J.job_id
OUTER JOIN departments D ON E.department_id = D.department_id
WHERE D.location_id = 1700 AND D.department_name = 'Finance'
ORDER BY "ANNUAL SALARY" DESC

PROG-113A / ? Week 7: Manipulate Data / ? Short Quiz 7

9/10

Create a SQL command to update the employees table

Employee id : 200

Name : Mr. Gary Park

Date hired : July 1, 2017

Position :IT Programmer

Salary : 10000

Department of assignment : 60

Reporting to manager : 103

answer: INSERT INTO employees (employee_id,first_name,last_name,hire_date,job_id,salary,manager_id,department_id)

VALUES (200,'Gary','Park',TO_DATE('Jul 1, 2017', 'MON DD, YYYY'), 'IT_PROG', 10000, 103, 60)

Add a 500 pesos increase in salary of all employees who have rendered services 10 years and above.

answer: UPDATE employees SET salary = salary + 500 where TO_CHAR(sysdate,'YYYY') - TO_CHAR(hire_date,'YYYY') >= 10

Diana Lorentz was transferred to Administration department. Using the employees and department table information update the profile of employee.

answer: **UPDATE employees SET manager_id = 200, department_id = 10 WHERE last_name = 'Lorentz' AND first_name = 'Diana';**

Create a SQL command to add a new position Java Developer with job id of JAVA_DEV whose salary ranges from 7,000 to 8,000.

answer: INSERT INTO jobs VALUES ('JAVA_DEV', 'Java Developer', 7000, 8000)

Update the Treasury department to Cash department. And this will be managed by the Manager of Finance department.

answer: **UPDATE departments SET department_name = 'Procurement', manager_id = 100 WHERE department_name = 'Treasury'**

Which of the following will erase all records in the departments table

answer: TRUNCATE TABLE departments

Nathaniel had accidentally deleted all the records in the newly updated ORACLE database using the DELETE SQL command. What is the best solution that he can do to restore all the deleted records in the database.

answer: Run the ROLLBACK command

Which of the following DOES NOT describes the state of the data after the COMMIT command

answer: None of the choices

Which of the following describes the command below?

SELECT * FROM employees WHERE department = 60 FOR UPDATE

answer: Locks the rows in the EMPLOYEES table with department id is 60.

SQL command to create a marker in the current transaction.

answer: SAVEPOINT


YOu want to display the employee's id and formatted date hired as shown below

Which SQL statement give the required output?

Required output:

Answer: SELECT employee_id,TO_CHAR(hire_date,'fmMonth DD, YYYY')AS "Hired Date" FROM employees

You want to display all the employee id and the month an employee was hired excluding employees whose job id is AD_VP. Which SQL Statement give the required output?

Answer: **SELECT employee_id, hire_date, TO_DATE(hire_date,'Month') AS "Hired Month", job_id FROM employees WHERE job_id NOT = 'AD_VP';**

IT_PROG

Answer: SELECT last_name, TO_CHAR(hire_date,'YYYY')FROM employees WHERE job_id='IT_PROG';

You want to display the employee's last name whose salary is below 10,000 and whose lastname starts with letter K.

Answer: **SELECT last_name, TO_CHAR(salary, '$999,999.99') AS "MONTHLY SALARY" FROM employees WHERE salary < 10000WHERE last_name LIKE 'K%'**

You want to display the employee's last name and date hired in year 2002 whose salary is above 5000.

Answer: **SELECT last_name, hire_date FROM employees WHERE hire_date >= TO_DATE('01-Jan-2002', 'DD-Mon-RR') AND hire_date <= TO_DATE('31-Dec-2002', 'DD-Mon-RR') AND salary > 5000;**

Display all the records sorted by price from most expensive to the cheapest parts.

Answer: **SELECT * FROM parts ORDER BY price**

Display all the records whose stock is below 20 and in warehouse number 3.

Answer: **SELECT * FROM parts WHERE onhand< 20 AND warehouse = 3;**

Display part number description and warehouse number whose part number starts with letter K.

Answer: **SELECT partnum, description, warehouse FROM parts WHERE partnum LIKE 'K%';**

Display the part number whose class is not HW, AG or SG.

Answer: None of the choices

Roonie is the stockman in the warehouse of ATR Corporation. The General Manager wants to know the parts whose price is above 10000 and above.

ANSWER: SELECT *FROM parts WHERE price > 10000;

Which of the following SQL command will display all records with class code of AP?

Answer: **SELECT * FROM parts WHERE class = 'AP';**

Which of the following SQL commands will display all stocks whole class is HW or AP.

Answer: SELECT ALL FROM parts WHERE IN class = ('HW','AP');

Which of the following SQL commands will display all the stocks on hand from 10 to 30?

Answer: **SELECT * FROM parts WHERE onhand BETWEEN 10 AND 30;**

Create an SQL command to display the name of the parts, warehouse number, price and the available stock on hand whose price is below 500. Arrange the list by warehouse number and by class.

ANswer: **SELECT partnum, description, warehouse, onhand, price FROM parts WHERE price < 500 ORDER BY warehouse, class;**

Which of the following SELECT statement is the correctreport that will combine the column PARTNUM and description put a literal character string "belongs to" in between the two columns then rename the column as "NUMBER TITLE"

Answer: SELECT (PARTNUM ll' THAT BELONGS TO' ll DESCRIPTION) AS "NUMBER TITLE" FROM PARTS;

Which of the following SELECT statement is the correct report that will deduct 5 from ONHAND, multiply 5 in WAREHOUSE, after getting the value on both ONHAND and WAREHOUSE add their data: as shown below: ONHAND - 5 + 5 * WAREHOUSE
Note that you have to force the Oracle to prioritize first the Subtraction over Multiplication. List only the column DESCRIPTION, ONHAND and WAREHOUSE.

Answer: S**ELECT ONHAND-5 + 5 (* WAREHOUSE), DESCRIPTION FROM PARTS;**

Which of the following is the correct report that will display the class from table PARTS.

answer: **SELECT CLASS FROM PARTS;**

Which of the following SELECT statement is the correct PL/SQL that willcreate a report that will add 10% increase in PRICE? List only the column DESCRIPTION, CLASS and PRICE.

Answer: **SELECT PRICE*0.10, DESCRIPTION, CLASS FROM PARTS;**

Which of the following SELECT statement is the correct PL/SQL that will display all rows and columns?

Answer: SELECT * FROM PARTS;

Which of the following SELECT statement is the correct PL/SQL that willcreate a report specifying only the column PRICE, ONHAND and DESCRIPTION?

Answer: **SELECT PRICE, ONHAND, DESCRIPTION FROM PARTS;**

Which of the following Select statement is the correct report that will display the unique value for WAREHOUSE renames the column as "No. of Available Warehouse"

Answer: SELECT DISTINCT WAREHOUSE AS "No. of available warehouse"FROM PARTS;

Which of the following SELECT statement is the correctreport the will merge the column CLASS and PRICE rename the COLUMN as "CLASS PRICE"

Answer: **SELECT (CLASS||PRICE) AS "CLASS PRICE" FROM PARTS;**

Which of the following SELECT statement is the correct PL/SQL that will display eliminate the duplicate rows for column class and warehouse.

Answer: **SELECT DISTINCT CLASS, WAREHOUSE FROM PARTS;**

Which of the following select statement is the correct report that will rename the column description to title,partnum to id and onhand to stock?

Answer: Select description AS 'TITLE',Partnum AS'ID',ONHAND AS'STOCK' FROM PARTS;

Remove all manager positions in the department table.

Answer: DELETE FROM jobs WHERE job_title LIKE '%Manager%';

A new department name training with department id 300 was created in the company.

Answer: INSERT INTO departments VALUES(300,'TRAINING',203,2400)

Create a SQL command to add a new position database administrator with job id of DB_ADMIN whose salary ranges from 10,000 to 18,000

Answer: INSERT INTO JOBS VALUES('DB_ADMIN','database administrator',10000,18000)

Update the Purchasing department name to Procurement. And this will be managed by the Manager of Administration department.

Answer: **UPDATE departments SET department_name = 'Procurement', manager_id = 200 WHERE department_name = 'Purchasing'**

remove the shareholder services department in the department table

answer: **DELETE FROM departments WHERE department_name = 'Shareholder Services'**

John want to know how many employees receiving salary below 10,000

Answer: SELECT COUNT(*) FROM employees WHERE salary < 10000;

What is the SQL command to display the date of the first employee that was hired?

Answer: SELECT MIN(hire_date) FROM employees;

Aldrin wants to know the highest salary in every department. which of the following sql will display the required output?

Answer: SELECT department_id,MAX(SALARY) FROM employees GROUP BY department_id

The general manager request to the database administrator to generate the total salary per month of every department in the company.

Answer: SELECT department_id, SUM(salary) FROM employees GROUP BY department_id

Ms. Ella what to generate the average salary of all employees whose job function is IT_PROG.

Answer: SELECT AVG(salary) FROM employees WHERE job_id ='IT_PROG';

Display the warehouse number, class, highest price & lowest price, total on hand balance whose class is AP.

Answer: **SELECT warehouse, class, MAX(price), MIN(PRICE), sum(onhand)
FROM parts
WHERE class = 'AP'
GROUP BY warehouse, class
ORDER BY warehouse**

The General Manager request to the database administrator to general total number of parts and total outstanding balance on hand of every class

Answer: SELECT warehouse,class,count(partnum),sum(onhand) GROUP BY warehouse,class HAVING warehouse = 1 or warehouse = 2 FROM parts;

Aldrin wants to know the outstanding total balance on hand on every class per warehouse

answer: SELECT warehouse,class,sum(onhand) FROM parts GROUP BY warehouse,class

Which of the following SQL command will display all records with part number contains the number 9?

Answer: SELECT * from parts WHERE partnum LIKe '%9%'

Which of the following SQL command will display the summary table showing the total quantity on hand per class.

Answer: **SELECT class, sum(onhand) AS "QTY ON HAND" FROM parts GROUP BY class**

Display a summary table of the total quantity on hand above 50 very class per warehouse

Answer: S**ELECT warehouse, class, sum(onhand) FROM parts GROUP BY warehouse,class HAVING SUM(ONHAND) > 50**

There was 10% price increase in the all the parts in warehouse number 3.

Answer: SELECT PARTNUM,price,price * 1.1 FROM parts where warehouse = 3

SELECT * FROM parts WHERE (warehouse = 1 or warehouse = 2) AND class in ('HW','AP')AND(PRICE>200 AND price < 500);

Answer: 2 rows returned

What will be the output of the SQL command?

SELECT SUM(onhand) FROM PARTS where class = 'HW' OR class = 'AP' and warehouse = 1;

answer: 137

John want to know how many part items are there in warehouse number 3.

answer: SELECT COUNT(*) FROM parts WHERE warehouse = 3;

Which of the following will erase all records in the departments table

Answer: TRUNCATE TABLE departments

INSERT, DELETE, UPDATE are _____ commands

answer: DML

Which of the following DOES NOT describes the state of the data after the commit command

ANswer: NONE OF THE CHOICES

SELECT * FROM employees WHERE department = 60 FOR UPDATE

ANswer: Locks the rows in the employees table with department id is 60

A cartesian product is formed when

Answer: ALL OF THE CHOICES

Select employee_id, hire_date, department_name FROM employees departments

ANswer: The SQL command will prduce a correct output

Nathaniel had accidentally deleted all the records in the newly updated oracle database using the DELETE SQL command.

Answer: RUN THE ROLLBACK COMMAND

A join between two tables that returns the results of the INNER join as well as the_____ rows from the left (or right) table is called a left (or right) OUTER join.

Answer: Unmatched

SQL command to create a marker in the current transaction

Answer: SAVEPOINT

The insert statement can add multiple rows.

ANswer: FALSE

INSERT INTO table_name (column1,column2,colum3,....)

VALUES (value1,value2,value3,....)

WHERE Condition.

Answer: This will produce an error.

A join between two tables that returns the results of an INNER join as well as the results of a left and right join is a

Answer: FULL OUTER JOIN

A Database Administrator can create and remove users and tables.

Answer: the statement is correct

Multiple fields in not Allowed in a foreign key.

Answer: FALSE

A_____ consists of a collection of DML statements that form a logical unit of work.

ANswer: Transaction

INDEX is an example of _____ privilege.

Answer: Object

A FOREIGN KEY IS A FIELD IN ONE TABLE THAT REFERS TO THE PRIMARY KEY IN ANOTHER TABLE.

ANSWER: TRUE

GRANT select

ON user1

TO departments;

ANswer: THE SQL COMMAND IS INCORRECT

GRANT is a _____ command.

ANSWER: DCL

Which of the following command will delete all records in the table employees.

ANswer: DELETE FROM employees

employee id :250

name : aldrin rich

ANSWER: INSERT INTO EMPLOYEES(employee_id,first_name,last_name,hire_date,job_id,salary manager_id,department_id) VALUES(250,'aldrin','rich',TO_DATE('Jul 1,2017','MON DD,YYYY'),'ACCOUNTANT',10000,103,60)

Display all the employee id names of employees, job id, hiring_date

ANswer: SELECT A,first_name,A.last_name,A.job_id,B,department_name,A.Salary,A.hire_date FROM employees a JOIN departments B ON ( A.department_id = B.department_id) WHERE B.department_name = 'IT'

Update all minumum salary of the it programmer position with twice of the existing minumum salary the position.

answer: UPDATE from jobs SET min_salary = min_salary * 2 WHERE job_id = 'IT_PROG';

Add a 1200 increase in salary of all employees who have rendered services 10 years and above

ANswer: UPDATE employees SET salary = salary + 1200 where TO_CHAR(sysdate,'YYYY') - TO_CHAR(hire_date,'YYYY') >= 10

Diana lorentz was transferred to administration department

Answer: UPDATE employees SET manager_id = 200, department_id = 10 WHERE last_name = 'Lorentz' AND first_NAME = 'Diana';

Angelica is the Oracle Database Administrator. She was been assigned to create an access for the newly hired employee named Matt to the Oracle Database.
Which of the following SQL command Angelica will execute?

- **CREATE matt ACCESS 1234**

What are the 2 types of security being applied to a database

**GRANT & REVOKE**

Employee id : 200

Name : Mr. Gary Park

Date hired : July 1, 2017

Position :IT Programmer

Salary : 10000

Department of assignment : 60

Reporting to manager : 103

**-INSERT INTO employees (employee_id,first_name,last_name,hire_date,job_id,salary,manager_id,department_id) VALUES (200,'Gary','Park',TO_DATE('Jul 1, 2017', 'MON DD, YYYY'), 'IT_PROG', 10000, 103, 60)**

Which of the following is NOT a Data Manipulation Language?

-SELECT

SQL stands for     **Structured Query Language**

Which of the following is an Oracle Proprietary Commands  **ANSI SQL**

ANSI SQL commands cannot be abbreviated. **FALSE**

Display all employees id and remainder of the his/her salary after it is divided by 3,000 for all employees with the job id of IT_PROG.

a. SELECT employee_id, job_id, salary FROM employees WHERE job_id = 'IT_PROG' AND salary/3000