#### Instructions

### Take a look at the focus words below. Think about what each word means and how it is used. Then answer the questions after each word.

**Remember:** You ***don’t*** have to understand every word in the example sentences.

**Focus words**: calculate, complete, create, store, source, result

**I. calculate**

1. **Calculate** the amount of quick-lime and soda in ppm that would be required for softening the water.
2. **Calculate** the quantum yield of the reaction.
3. **Calculate** the energies of these two wavelengths in kilojoules per mole.
4. Write a computer program to **calculate** the dynamic and kinematic viscosities of air using Sutherland's equation.
5. Ohm's law can be used to **calculate** any voltages in the network.
6. How do we **calculate** the probability of finding stable nuclei below Tm?

What do you think the word **calculate** means? Use a dictionary to help.

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Look at the sentences below. Do you think **calculate** is being used correctly?

Circle your answer.

1. **Calculate** the density of methane at a temperature of 273.0 K and at a pressure of 101.325 kPa?

correct incorrect

1. Write a stored procedure to **calculate** support.

correct incorrect

1. **Calculate** for the power required to operate the heat exchanger, neglecting entrance and outlet losses.

correct incorrect

1. **Calculate** the value of the viscosity at 50 "C and compare with the value given in Table B.1.

correct incorrect

1. Unfortunately, this is hard for **calculate** and would slow down quicksort considerably.

correct incorrect

1. To maximize profit, he wants to **calculating** the diameter of the solid bar and the hollow tube.

correct incorrect

Write a sentence that uses the word **calculate**. Use the examples above to guide you.

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**II. complete**

1. So, we went from a **complete** line of allowed t values to just a grid, as shown in Fig. 3.6.
2. That is, the set of governing equations must be a **complete** or closed set of equations.
3. We can also use our conclusions about the algorithm to **complete** the proof of Hall's theorem.
4. Finishing cuts are used to **complete** the part and achieve the final dimensions, tolerances, and surface finish.
5. The force/extension curve for the **complete** assembly of three cords was obtained by multiplying the forces measured in the single cord by a factor of three.
6. **Complete** the proof of Theorem 2.6 by showing that if R is a partial order on a finite set S.

What do you think the word **complete** means? Use a dictionary to help.

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In examples 1, 2 and 5, what part of speech is the word **complete**?

In examples 3, 4 and 6, what part of speech is the word **complete**?

Look at the sentences below. Do you think **complete** is being used correctly?

Circle your answer.

1. We will discuss it in detail in Chapters 5 and 6, where we will create a data model of a **complete** order and then design the database for that data.

correct incorrect

1. The time necessary about one **complete** cycle (a complete repetition of the motion) is called the period.

correct incorrect

1. **Complete** the analysis of the sampling algorithm described at the end 01 Section 10.2.3.

correct incorrect

1. The **complete** from temperature-composition phase diagram is shown in Figure 12.15.

correct incorrect

1. In this case you first calculate the stream enthalpies to **completing** about the enthalpy row of the stream table.

correct incorrect

1. The nature of the process may cause the contractor to look for least expensive approaches to **complete** the project.

correct incorrect

Write a sentence that uses the word **complete.** Use the examples above to guide you.

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**III. create**

1. A photograph is made with a camera by exposing film to light in order to **create** a negative.
2. Suppose that you have been hired by Morgan Importing to **create** a database application to track stores, purchases, shipments, and shippers.
3. **Create** a single-entity data model for this list.
4. Again, we must first **create** the database design tables from the data model entities, and then **create** the relationship.
5. What data were used to **create** the data set and what processes were applied to these sources?
6. **Create** an XML Schema for all artist data.

What do you think the word **create** means? Use a dictionary to help.

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Look at the sentences below. Do you think **create** is being used correctly?

Circle your answer.

1. The goal for this programming project is to **create** a simple 2D predator-prey simulation.

correct incorrect

1. You only intend to **create** for objects of the derived classes.

correct incorrect

1. We recommend that you **create** on folder for each database in the Projects folder.

correct incorrect

1. **Create** a view called OrderSummaryView.

correct incorrect

1. The next step is for **create** the stream that will be used to read from the file.

correct incorrect

1. The second component is a flat cover that is attached to the first component to **create** an enclosed space for the machinery parts.

correct incorrect

Write a sentence that uses the word **create**. Use the examples above to guide you.

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**IV. store**

1. One user may have used it to **store** the name spouse of the contact, another may have used it to **store** airplane models.
2. A third approach is to **store** data at the vertices of a binary tree.
3. But either way, it does seem to require the allocation of a large chunk of memory to **store** all these extra velocity data.
4. Most programs require the ability to **store** persistent data in the file system or to communicate with another process.
5. Many companies fail to properly **store** the design history of their drawings in a suitable fashion.
6. Thus, the cell that was last in the heap can be used to **store** the element that was just deleted.

What do you think the word **store** means? Use a dictionary to help.

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Look at the sentences below. Do you think **store** is being used correctly?

Circle your answer.

1. It is clear that a table can be used to **store** these values.

correct incorrect

1. Many medicine labels inform the user to **store** the medicine below 30°C.

correct incorrect

1. The inventor can bookmark his most searched effects, and he can **store** about the suggestions in his computer.

correct incorrect

1. As before, we assume that at any point we have N records for to **store**.

correct incorrect

1. There is only one way for the block-spring system to **store** from kinetic and potential energy.

correct incorrect

1. The vibrating spring has an infinite number of ways to **store** its energy.

correct incorrect

Write a sentence that uses the word **store**. Use the examples above to guide you.

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**V. source**

1. If the **source** is independent, the voltage between the two nodes is constrained by the value of the voltage **source**.
2. Hydrogen gas as a **source** of common fuel is not used in domestic or in industrial situations
3. This is a lot of extra work and a **source** of programmer errors.
4. Nuclear energy is the world's largest **source** of emission-free energy.
5. Hydraulic laboratories are often designed so that a **source** of water for experiments includes a constant-head tank located at a higher elevation than the laboratory floor.
6. According to the standard, an ODBC data **source** is the database and its associated DBMS, operating system, and network platform.

What do you think the word **source** means? Use a dictionary to help.

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Look at the sentences below. Do you think **source** is being used correctly?

Circle your answer.

1. If the voltage **source** is dependent, it is treated as an independent source when writing the KCL equations.

correct incorrect

1. The Data Provider also acts as a **source** of data to higher-level data manipulation components such as the DataSet.

correct incorrect

1. Instead, plants rely on nitrate and ions as their **source** of nitrogen.

correct incorrect

1. Evaporators are suitable where steam as a **source** of heat is readily available.

correct incorrect

1. Determine the magnitude of the voltage **source.**

correct incorrect

1. What is the **source** in energy in a galvanic cell?

correct incorrect

Write a sentence that uses the word **source**. Use the examples above to guide you.

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**VI. result**

1. The heat generated as a **result** of friction can cause damage.
2. This view is the **result** of two joins across the intersection table between CUSTOMER and ARTIST.
3. The **result** is a "chain" reaction that grows quickly to explosive proportions.
4. As a **result** you now have 23 chocolate bars and two leftover coupons.
5. Positive lever arms **result** in positive moments and clockwise rotations.
6. This **result** has been plotted out in Fig. 7.1.
7. The altered layer may **result** from work hardening (mechanical energy), heating (thermal energy), chemical treatment, or even electrical energy.
8. As a **result** of Earth's rotation, major wind patterns develop near the Earth's surface.

What do you think the word **result** means? Use a dictionary to help.

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Look at the sentences below. Do you think **result** is being used correctly?

Circle your answer.

1. A significant memory leak can **result** for the program running out of memory and terminating abnormally.

correct incorrect

1. This **result** was proved independently in 191 8 by the German scientist Heinz Priifer.

correct incorrect

1. As a **result** from, a small population of starfish can produce large numbers of larvae.

correct incorrect

1. So, the **result** of is the same in both cases.

correct incorrect

1. In addition to these direct emissions, air toxins can **result** from chemical formation in the atmosphere.

correct incorrect

1. As a **result**, most electric power is transmitted in polyphase circuits.

correct incorrect

Write a sentence that uses the word **result**. Use the examples above to guide you.

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**VII.** Choose **three** of the focus words and use them in a short paragraph.

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**VIII.** Look at the example sentences. What words come before and after each of the focus words?Put each word in a suitable category.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| before the focus word | calculate | complete | store | source | result |
| noun |  |  |  |  |  |
| verb |  |  |  |  |  |
| preposition |  |  |  |  |  |
| article |  |  |  |  | **a** |
| other word types |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| after the focus word | calculate | complete | store | source | result |
| noun |  |  |  |  |  |
| verb |  |  |  |  |  |
| preposition |  |  |  |  | **of** |
| other word types |  |  |  |  |  |

**Are there any patterns that you notice?** *Click here to see more examples of the focus words in use.*

**What does the pattern tell you about how the focus word is used?**

**IX.** Do the focus words have any other parts of speech? Complete the table. Not all focus words have all parts of speech that are shown in the table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | calculate | complete | store | source | result |
| noun | **calculation** |  |  |  |  |
| verb |  |  |  |  |  |
| adjective |  |  |  |  |  |
| adverb |  |  |  |  |  |