Free Questions for PCEP-30-02 by dumpshq

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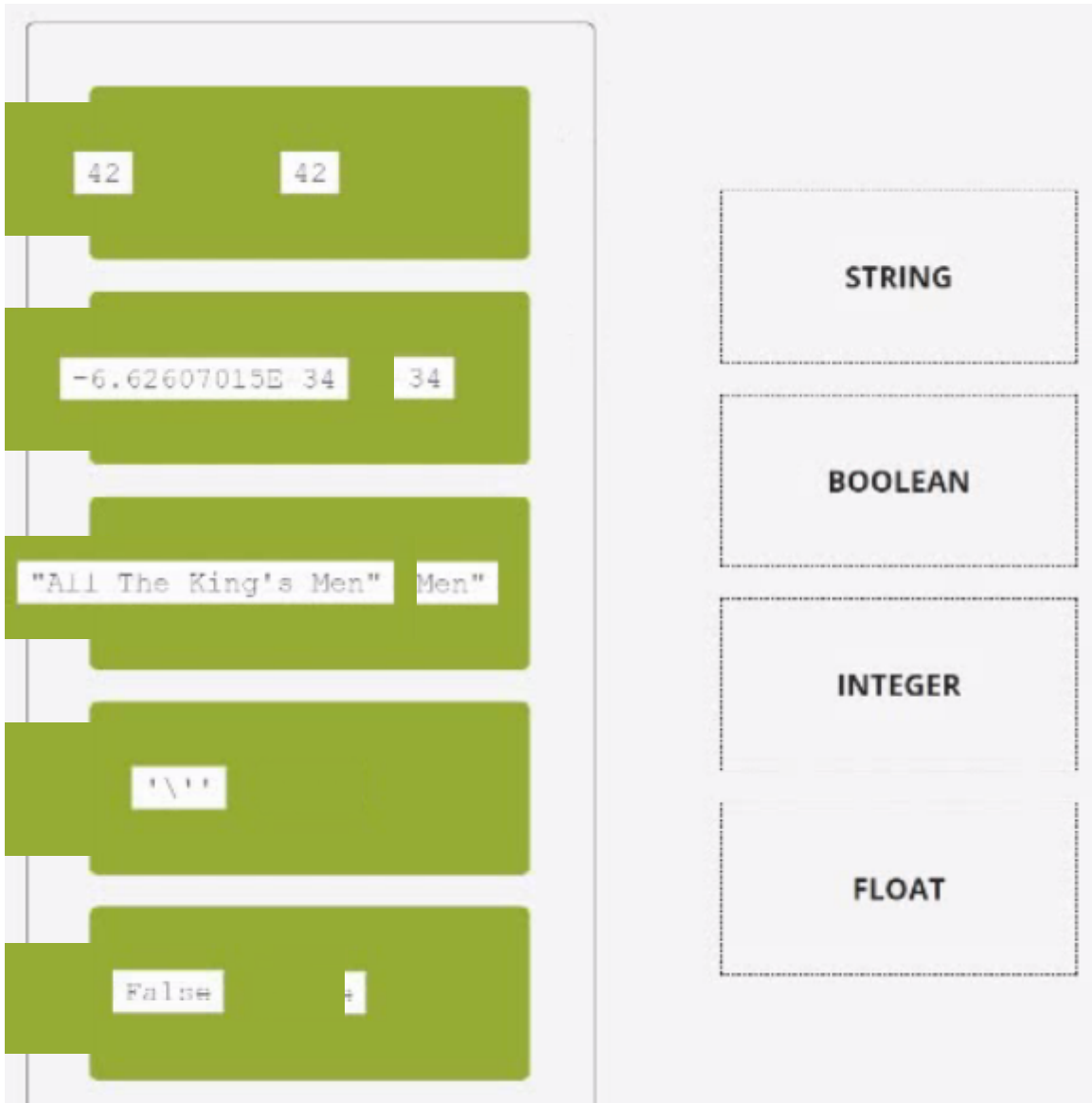
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Question 1

Question Type: DragDrop

Drag and drop the literals to match their data type names.

42   42

-6.62607015E 34   34

"All The King's Men"   Men"

'\''

False

STRING

BOOLEAN

INTEGER

FLOAT

Question 2

Python Is an example of which programming language category?

Options:

A- interpreted

B- assembly

C- compiled

D- machine

Answer:

A

Explanation:

Python is an interpreted programming language, which means that the source code is translated into executable code by an interpreter at runtime, rather than by a compiler beforehand. Interpreted languages are more flexible and portable than compiled languages, but they are also slower and less efficient. Assembly and machine languages are low-level languages that are directly executed by the hardware, while compiled languages are high-level languages that are translated into machine code by a compiler before execution.

Question 3

Question Type: DragDrop

Insert the code boxes in the correct positions in order to build a line of code which asks the user for a float value and assigns it to the mass variable.

(Note: some code boxes will not be used.)

input   input

)   )

int   int

print   print

Question 4

float   float

((

Which of the following expressions evaluate to a non-zero result? (Select two answers.)

("Enter mass:") s:")

mass =

Options:

A- 2 ** 3 / A - 2

B- 4 / 2 * * 3 - 2

C- 1 * * 3 / 4 - 1

D- 1 * 4 // 2 ** 3

Answer:

A, B

Explanation:

In Python, the ** operator is used for exponentiation, the / operator is used for floating-point division, and the // operator is used for integer division. The order of operations is parentheses, exponentiation, multiplication/division, and addition/subtraction. Therefore, the expressions can be evaluated as follows:

A) 2 ** 3 / A - 2 = 8 / A - 2 (assuming A is a variable that is not zero or undefined) B. 4 / 2 * * 3 - 2 = 4 / 8 - 2 = 0.5 - 2 = -1.5 C. 1 * * 3 / 4 - 1 = 1 / 4 - 1 = 0.25 - 1 = -0.75 D. 1 * 4 // 2 ** 3 = 4 // 8 = 0

Only expressions A and B evaluate to non-zero results.

Question 5

Question Type: **DragDrop**

Arrange the binary numeric operators in the order which reflects their priorities, where the top-most position has the highest priority and the bottom-most position has the lowest priority.

Answer:

Question 6

A set of rules which defines the ways in which words can be coupled in sentences is called:

Options:

A- lexis

B- syntax

C- semantics

D- dictionary

Answer:
B

Explanation:

Syntax is the branch of linguistics that studies the structure and rules of sentences in natural languages. Lexis is the vocabulary of a language. Semantics is the study of meaning in language. A dictionary is a collection of words and their definitions, synonyms, pronunciations, etc.

Question 7

Question Type: DragDrop

Insert the code boxes in the correct positions in order to build a line of code which asks the user for an integer value and assigns it to the depth variable.

(Note: some code boxes will not be used.)

```
input(          input(

)                    )
```

```
"Enter immersion depth:" )h:" )

—               —

int(            int(

–               –

float(          float(
```

depth