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1)  CPY01-01 Hello World

What's the code for the Python version of the "Hello World" program

|  |  |
| --- | --- |
|  | "Hello World" |
|  | input("Hello World") |
|  | print "Hello World" |
|  | print("Hello World")  100%  100%  100%  0%  100%  100%  100%  0%  50%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100% |

2)  CPY01-02 Input

What is the effect of the following code:

name = input("Please enter your name: ")

|  |  |
| --- | --- |
|  | The text *"Please enter your name"* will appear in the interactive interpreter |
|  | The program will pause and wait for user input  100% |
|  | After the user presses Enter to finish the input, the input will be assigned to the variable **name**.  0%  50%  50%  100% |
|  | All of the above  100%  100%  100%  50%  0%  50%  100%  100%  100%  100%  100%  100%  100%  100%  100% |

3)  CPY01-03 Output

If the value of the variable **name** is "Joe", what's the output of the following code:

print("You entered:", name)

|  |  |
| --- | --- |
|  | You entered Joe  50% |
|  | You entered: Joe  100%  100%  0%  100%  50%  0%  50%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100% |
|  | You entered name |
|  | None of the above  90%  80% |

4)  CPY01-04 Output

If the variable **name** contains a person's name, which of the following lines of code will display a greeting to that person, using their name?

|  |  |
| --- | --- |
|  | print("Hello name") |
|  | print("Hello, name") |
|  | print(Hello, name) |
|  | print("Hello", name)  100%  100%  0%  100%  50%  50%  0%  0%  100%  100%  100%  100%  50%  100%  100%  100%  100%  100%  100% |

5)  CPY01-05 String index

If the variable **message** contains the string "Hello World", what is the value of **message[6]**

|  |  |
| --- | --- |
|  | A space  100%  50% |
|  | The letter e  100%  100%  100% |
|  | The letter o  50%  100% |
|  | The letter W  100%  90%  0%  100%  50%  0%  100%  100%  100%  100%  100%  100%  50% |

6)  CPY01-06 Joining Strings

If **firstname** contains "Joe" and **lastname** contains "Bloggs", what is the value of

**firstname + lastname**

|  |  |
| --- | --- |
|  | Joe Bloggs  0%  100% |
|  | JoeBloggs  100%  100%  90%  0%  100%  50%  100%  0%  100%  100%  100%  80%  100%  100%  100%  100%  100% |
|  | Nothing |
|  | joebloggs  100% |

7)  CPY01-08 String slices

If **firstname** contains "Colin", what is the output of the slice **firstname[:3]**

|  |  |
| --- | --- |
|  | Co |
|  | Col  100%  100%  100%  100%  100%  100%  100%  100%  0% |
|  | Coli  100%  50%  0%  0%  0%  100%  100%  50% |
|  | lin  0%  50% |

8)  CPY01-09 String slices

What is the correct code to get the first 2 characters of the contents of the variable **lastname** using a slice?

|  |  |
| --- | --- |
|  | lastname[:1]  0%  50%  0%  0%  100%  50% |
|  | lastname[:2]  100%  0%  100%  100%  100%  100%  100%  100%  20% |
|  | lastname[:3]  100% |
|  | lastname[2:]  100%  0% |

9)  CPY01-10 title() method

If **fullname** contains "ObiWan KenObi", what is the output of **fullname.title()**

|  |  |
| --- | --- |
|  | "Obiwan Kenobi"  100%  100%  0%  100%  50%  0%  0%  100%  100%  100%  100%  50%  50%  30%  50% |
|  | "Obiwan kenobi"  100%  100% |
|  | "obiwan KenObi" |
|  | "OBIWAN KENOBI"  50% |

10)  Question 1

CPY02-01 What is is value of the variable **age** after the following statement is executed and the user enters 32?  
age = input("Enter your age: ")

|  |  |
| --- | --- |
|  | The integer value 32  100%  100% |
|  | The decimal value 32.0 |
|  | The text string "32"  100%  0%  100%  0%  0%  0%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100% |
|  | Nothing |

11)  Question 2

CPY02-02 Which of the following is the correct code to input and store an integer representing someone's age?

|  |  |
| --- | --- |
|  | age = input("Enter your age: ") |
|  | age = input(int(("Enter your age: ")) |
|  | age = int(input("Enter your age: "))  0%  100%  0%  100%  50%  0%  0%  100%  100%  100%  100%  100%  100%  100%  100%  100%  90%  100% |
|  | age = float(input("Enter your age: ")) |

12)  Question 3

CPY02-03 A *hog's head* is a measurement of volume in the Imperial system. Which of the following is a valid variable name to represent the number of *hog's heads*?

|  |  |
| --- | --- |
|  | hog's heads |
|  | hogs heads |
|  | hog's\_heads |
|  | hogsheads  90%  0%  100%  0%  0%  100%  100%  100%  100%  100%  100%  80%  100%  100%  100%  100% |

13)  Question 4

CPY02-04 Which of the following is the correct code to input and store a decimal number representing the number of hogsheads?

|  |  |
| --- | --- |
|  | hogsheads = int(input('Enter number of hogsheads '))  100% |
|  | hogsheads = input(int('Enter number of hogsheads ')) |
|  | hogsheads = float(input('Enter number of hogsheads '))  100%  0%  100%  50%  0%  0%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100% |
|  | hogsheads = input(float('Enter number of hogsheads ')) |

14)  Question 5

CPY02-05 If a hogshead is equivalent to two barrels, how many barrels are in 4 hogsheads?

|  |  |
| --- | --- |
|  | 2 |
|  | 4 |
|  | 8  90%  0%  100%  50%  0%  100%  100%  100%  100%  50%  100%  100%  0%  70%  100%  50% |
|  | 16 |

15)  Question 6

CPY02-06 If a hogshead is equivalent to two barrels, which of the following is the correct code to convert hogsheads to barrels?

|  |  |
| --- | --- |
|  | barrels = hogsheads \* 2  90%  100%  50%  0%  100%  100%  100%  50% |
|  | barrels = hogsheads / 2  0%  100% |
|  | hogsheads = barrels \* 2  0%  50%  100%  100%  100%  100%  0% |
|  | hogsheads = barrels / 2 |

16)  Question 7

CPY02-07 The variable **litres** contains the value 654.63696. What is the output of the following line of code?

    print(f"Equivalent metric volume is {litres:.1f} litres")

|  |  |
| --- | --- |
|  | 654 |
|  | 654.6  0%  100%  100%  0%  100%  100%  100%  100%  100%  100%  100%  100%  100%  20%  100% |
|  | 654.63 |
|  | 654.63696 |

17)  Question 8

CPY02-08 A program needs to perform calculations using Pi and the square-root function. Which of the following lines of code correctly imports them?

|  |  |
| --- | --- |
|  | import math.pi,math.sqrt  50%  0%  100% |
|  | from math import pie, square\_rt |
|  | from math import pi, sqrt  0%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100%  100% |

18)  Question 9

CPY02-09 The time taken for a pendulum to swing over and back is given by the formula

Which of the following lines of code is the correct implementation of this formula?

|  |  |
| --- | --- |
|  | time = 2pi \* sqrt(length / 9.81)  50% |
|  | time = 2 \* pi \* sqrt(length) / 9.81  50% |
|  | time = 2 \* pi \* sqrt(length / 9.81)  100%  0%  100%  100%  100%  100%  100%  100%  50%  100%  100%  80%  100%  100% |

19)  Question 10

CPY02-10 The variable time stores a decimal number. Which of the following lines of code will display the time formatted to two decimal places?

|  |  |
| --- | --- |
|  | print("The time is {time:.2} seconds") |
|  | print("The time is {time:.2f} seconds")  0%  100% |
|  | print(f"The time is {time:.2} seconds")  50%  20% |
|  | print(f"The time is {time:.2f} seconds")  100%  100%  50%  100%  100%  100%  100%  50%  100%  100%  100%  100% |

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