The Joy of Computing Using Python

IMP QUESTIONS PART 3

Question 17:

What does the 'else' statement represent in a conditional structure in Python?

A) It is executed if the 'if' condition is true

B) It is executed if none of the preceding 'if' or 'elif' conditions are true

C) It is executed regardless of the conditions

D) It is executed before the 'if' condition

Accepted Answer: B) It is executed if none of the preceding 'if' or 'elif' conditions are true

Question 18:

What does the 'random.randint(a, b)' function in Python do?

A) Generates a random float between a and b

B) Generates a random integer between a and b inclusive

C) Generates a random integer between a and b exclusive

D) Generates a random string between a and b characters long

Accepted Answer: B) Generates a random integer between a and b inclusive

Question 19:

Which of the following data types is not supported in Python?

A) List

B) Tuple

C) Set

D) Array

Accepted Answer: D) Array

Question 20:

What is the purpose of the 'enumerate()' function in Python?

A) To count the number of elements in a list

B) To return the index and value of elements in an iterable

C) To sort elements in a list

D) To remove elements from a list

Accepted Answer: B) To return the index and value of elements in an iterable

Question 21:

What is the correct way to declare a global variable in Python?

A) `global var_name = value`

B) `global var_name`

C) `var_name = global`

D) `var_name = value (global)`

Accepted Answer: B) `global var_name`

Question 22:

What is the output of `print("Python"[::-1])` in Python?

A) "nohtyP"

B) "Python"

C) "P"

D) Error

Accepted Answer: A) "nohtyP"

Question 23:

What is the purpose of the 'pass' statement in Python?

A) It terminates the program

B) It does nothing and acts as a placeholder

C) It raises an exception

D) It prints a message to the console

Accepted Answer: B) It does nothing and acts as a placeholder

Question 24:

What is the correct way to create an empty set in Python?

A) `empty_set = set()`

B) `empty_set = {}`

C) `empty_set = set([])`

D) `empty_set = new set()`

Accepted Answer: A) `empty_set = set()`

Question 25:

What does the 'strip()' method do for strings in Python?

A) Removes all characters from the beginning of the string

B) Removes all characters from the end of the string

C) Removes leading and trailing whitespaces from the string

D) Converts the string to uppercase

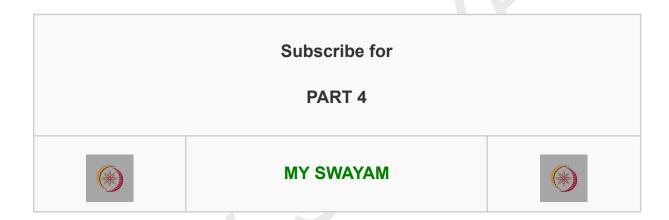**Accepted Answer: C) Removes leading and trailing whitespaces from the string**

Question 26:

What is the output of `print(type(5.0))` in Python?

A) int

B) float

C) str

D) Error

Accepted Answer: B) float

Question 27:

What does the 'pop()' method do for lists in Python?

A) Removes the last element from the list

B) Removes the first element from the list

C) Removes the element at the specified index from the list

D) Adds a new element to the list

Accepted Answer: C) Removes the element at the specified index from the list

Question 28:

What is the purpose of the 'sum()' function in Python?

A) Adds up all the elements of an iterable

B) Calculates the average of all the elements in a list

C) Multiplies all the elements of an iterable

D) Sorts the elements of an iterable

Accepted Answer: A) Adds up all the elements of an iterable

Question 29:

What does the 'max()' function do in Python?

A) Returns the smallest element in a list

B) Returns the largest element in an iterable

C) Returns the average of elements in a list

D) Returns the total number of elements in a list

Accepted Answer: B) Returns the largest element in an iterable

Question 30:

What is the purpose of the 'chr()' function in Python?

A) Converts an integer to a string

B) Converts a string to an integer

C) Converts an integer to a character

D) Converts a character to an integer

Accepted Answer: C) Converts an integer to a character

Question 31:

Which of the following is a correct way to define a lambda function in Python?

A) `lambda function_name(parameters): expression`

B) `function_name = lambda(parameters): expression`

C) `def function_name(parameters): expression`

D) `function_name(parameters): expression`

Accepted Answer: A) `lambda function_name(parameters): expression`

Question 32:

What is the output of `print(3* "Hello" + " World")` in Python?

A) "HelloHelloHello World"

B) "Hello Hello Hello World"

C) "HelloHelloHelloHello World"

D) Error

Accepted Answer: A) "HelloHelloHello World"

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PART 4

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THANK YOU.