

Python Data Type

Question 1**CORRECT**

Which of these is not a core data type?

A

Lists

B

Dictionary

C

Tuples

Class

[Hire with us!](#)**Python Data Type****Discuss it****Question 1 Explanation:**

Class is a user defined data type

Question 2**CORRECT**

What data type is the object below ? L = [1, 23, 'hello', 1]

List

B

Dictionary

C

Tuple

D

Array

Python Data Type**Discuss it****Question 2 Explanation:**

[] defines a list



Question 3 **CORRECT**

Which of the following function convert a string to a float in python?

- A `int(x [,base])`
- B `long(x [,base])`
- `float(x)`
- D `str(x)`

Python Data Type
Discuss it

Question 3 Explanation:

`float(x)` – Converts x to a floating-point number

Question 4 **WRONG**

Which of the following statement(s) is TRUE?

1. A hash function takes a message of arbitrary length and generates a fixed length code.
2. A hash function takes a message of fixed length and generates a code of variable length.
3. A hash function may give the same hash value for distinct messages.

- A I only
- B II and III only
- I and III only
- II only

Hash GATE IT 2006 Python Data Type
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Question 4 Explanation:

Hash function is defined as any function that can be used to map data of arbitrary size of data to a fixed size data.. The values returned by a hash function are called hash values, hash codes, digests, or



simply hashes : Statement 1 is correct Yes, it is possible that a Hash Function maps a value to a same location in the memory that's why collision occurs and we have different technique to handle this problem : Statement 3 is correct. eg : we have hash function, $h(x) = x \bmod 3$ Acc to Statement 1, no matter what the value of 'x' is $h(x)$ results in a fixed mapping location. Acc. to Statement 3, $h(x)$ can result in same mapping location for different value of 'x' e.g. if $x = 4$ or $x = 7$, $h(x) = 1$ in both the cases, although collision occurs. This solution is contributed by **Mohit Gupta**.

You have completed 4/4 questions .
Your accuracy is 75%.

1

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