Questions 15m

**1. In which programming language is Django written?**

A. C++

B. Java

**C. Python**

D. Ruby

**2. Which of the following are valid ways to specify the string literal foo'bar in Python?**

**A. """foo'bar"""**

**B. 'foo\'bar'**

C. 'foo'bar'

D. 'foo''bar'

E. "foo'bar"

**3. What is the output of the following code snippet in Python?**

if 'bar' in {'foo': 1, 'bar': 2, 'baz': 3}:

print(1)----------------------------------------bar in {…}------1

print(2)------------------------------------------------------------2

if 'a' in 'qux':--------------------------------------a isn’t in ‘qux’

print(3)----------------------------------------------------~~not print 3~~

print(4)------------------------------------------------------4

**A.**

1

2

4

B.

1

2

3

4

C. It doesn’t generate any output.

D. 4

**4. What is the expression involving x that accesses the value 30 in Python?**

x = [ 'a', 'b', { 'foo': 1, 'bar': { 'x' : 10, 'y' : 20, 'z' : 30 }, 'baz': 3 }, 'c', 'd' ]

**x[2][1][2]**

**5. Consider again this nested list above, is the following statement True or False?**

'z' in x[2]

**A. True**

B. False

**6. What is the correct way to instantiate this Dog class in Python?**

class Dog:

def \_\_init\_\_(self, name, age):

self.name = name

self.age = age

A. Dog()

B. Dog.create("Rufus", 3)

**C. Dog.\_\_init\_\_("Rufus", 3)**

D. Dog("Rufus", 3)

**7. In Python, what is a function within a class definition?**

A. Operation

**B. Method**

C. Callable

D. Class function

**8. What’s the output of the following code snippet?**

class Dog:

def walk(self):

return "\*walking\*"

def speak(self):

return "Woof!"

class JackRussellTerrier(Dog):

def talk(self):

return super().speak()

bobo = JackRussellTerrier()

bobo.talk()

**A. Woof!**

B. \*walking\*

C. CanineError: Tail curvature exceeded

**9. Which SQL keyword is used to sort the result-set?**

A. SORT

B. ORDER

C. SORT BY

**D. ORDER BY**

**10. With SQL, how do you select all the records from a table named "Persons" where the value of the column "FirstName" is "Peter"?**

**A. SELECT \* FROM Persons WHERE FirstName='Peter'**

B. SELECT \* FROM Persons WHERE FirstName<>'Peter'

C. SELECT [all] FROM Persons WHERE FirstName='Peter'

D. SELECT [all] FROM Persons WHERE FirstName LIKE 'Peter

**Interview Questions 15m**

1. **What is PEP 8 and why is it important in Python?**

PEP 8, sometimes spelled PEP8 or PEP-8, is a document that provides guidelines and best practices on how to write Python code. The primary focus of PEP 8 is to improve the readability and consistency of Python code. PEP stands for Python Enhancement Proposal, and there are several of them. <https://gzipwtf.com/what-is-pep-8-and-why-is-it-important/>

Bazen PEP8 veya PEP-8 olarak da adlandırılan PEP 8, Python kodunun nasıl yazılacağına ilişkin yönergeler ve en iyi uygulamalar sağlayan bir belgedir. PEP 8'in birincil odak noktası, Python kodunun okunabilirliğini ve tutarlılığını geliştirmektir. PEP, Python Geliştirme Önerisi anlamına gelir ve bunlardan birkaçı vardır.

1. **What are decorators in Python?**

Decorators are a very powerful and useful tool in Python since it allows programmers to modify the behaviour of function or class. Decorators allow us to wrap another function in order to extend the behaviour of the wrapped function, without permanently modifying it. But before diving deep into decorators let us understand some concepts that will come in handy in learning the decorators.

1. **What is 'pass' statement in Python?**

In Python programming, the pass statement is a null statement. The difference between a comment and a pass statement in Python is that while the interpreter ignores a comment entirely, pass is not ignored.

However, nothing happens when the pass is executed. It results in no operation (NOP).

1. **What is a Foreign Key in SQL?**

A foreign key is a column or set of columns that allow us to establish a referential link between the data in two tables. This referential link helps to match the foreign key column data with the data of the referenced table data. The referenced table is called the parent table and the table that involves a foreign key is called the child table. In addition, if a foreign key references another column of the same table, this reference type is called a self-reference.

1. **When you’ve disagreed with coworkers, how did you handle it?**

**There is a article:**

[**https://upjourney.com/describe-a-situation-you-disagreed-with-someone**](https://upjourney.com/describe-a-situation-you-disagreed-with-someone)