PYTHON

Interview Questions

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Q1. What are the key feature of Python?

- ❖ Python is free and open source!
- ❖ It is an object-oriented language.
- ❖ Easy to learn due to its clear syntax and readability.
- ❖ Easy to interpret, making debugging very easy.
- ❖ Easily integrated with other languages like C++, java, and more.

Q2. what are keywords in Python?

- ❖ Keywords are reserved, words used as identifiers, function names, and more.
- ❖ They help to define the structure and syntax of the language
- ❖ There are 35 keywords in python 3.

False	class	from	or	
None	continue	global	pass	
True	def	if	raise	
and	del	import	returns	elif
in	try			
assert	else	is	while	
async	except	lambda	with	
await	finally	nonlocal	yield	
break	for	not		

Q3. What are literals in Python?

- ❖ Literals in python refer to the data given in a variable or constant. (Data Types)
- ❖ There are 4 types of literals:
    - ➢ **String:** Sequence of characters enclosed in quats.

➢ **Numbers:** Integer, Float, and Complex Numbers

➢ **Boolean:** represent True or False.

➢ **Special: 'None'**

Q4. How can you Concatenate two tuples?

```python
# Consider two tuples:
t1=(1,"A",True)
t2=(4,5,6)
#adding these like (t1+t2)
t3=t1+t2
print(t3)
#output is
>> (1,"A",True,4,5,6)
```

Q5. What are the functions in Python?

❖ Function in python refer to **Block** that are organized, reusable piece of code that perform single, and related events.

❖ Functions are important to create better modularity for applications that reuse a high degree of coding.

❖ Python has a number of inbuilt (built-in) functions like **print()** and user-defined also.

Q6. How do initialize a 5x5 NumPy array with only zeroes?

```python
Import numpy as np
n1=np.zeroes(5,5)
print(n1)

# Output:
```

```
[[0,0,0,0,0]
 [0,0,0,0,0]
 [0,0,0,0,0]
 [0,0,0,0,0]
 [0,0,0,0,0]]
```