1) What is PyPy?

2) What is a difference between tuples and lists?

3) What is the result of 1 **/** 2**?**

4) What is the result of 2 **\*** '5'**?**

5) Explain this statements:

word **=** 'String in Python'

**print** word**[**4**],** word**[**0**:**2**],** word**[**2**:**4**],** word**[:**2**],** word**[**2**:],** word**[**0**:]**

**print** word**[:],** word**[-**1**],** word**[:-**1**]**

6) What is the result of 'ю' **+** u'я'**?**

7) Explain this statement**:**

a **=** '''123'''

8) Write the **lambda,** that returns the summ of a and b**.**

9) Explain the following clause**:**

@capitalize

**def** get\_dotted**(**txt**):**

**return** txt **+** '.'

10) Explain the following clause**:**

**def** six**():**

**for** i **in** **(**1**,** 2**,** 3**,** 4**,** 5**,** 6**):**

**yield** i

11) Explain this**:**

**def** func**(**a**,** **\***b**):** **print** b

12) Is this code right**(?):**

**def** func**(**arg1**=**''**,** arg2**):**

**return** '%s-%s' **%** **(**arg1**,** arg2**)**

13) What can you tell about range**()** vs**.** xrange**()?**

14) What is a sequence type **`**set**`?**

15) What disadvantage has an implementation of threads in CPython **(**module threading**)?**

16) What is a clause **if** \_\_name\_\_ **==**'\_\_main\_\_'**:** used for**?**

17) What is WSGI?

18) What is middleware?

19) What are prepared statements?

20) What is XSS and how do you prevent it?

21) What is replication, partitioning, sharding?

22) What is the difference between WHERE and HAVING sql statements?

23) What is the name of postgresql's command line client?

24) What is inside of pg\_hba.conf (in common)?