# Practical 13.1 - Duties of the DBA worksheet

Because the 'Duties of the DBA' lecture is quite long, and covers a lot of material, completing this worksheet will help cement your knowledge of the DBA role. This is a checkpoint, you may work in pairs.

1. What are some common tasks a DBA can be expected to complete? For each also list how often they should occur

   a. _____

   _____

   b. _____

   _____

   c. _____

   _____

   d. _____

   _____

   e. _____

2. What are the four components of SQL Server?

   a. _____      c. _____

   b. _____      d. _____

3. Choosing the correct hardware is very important for a database server. What considerations would you take into account when selecting hardware components?

   a. _____

   _____

   b. _____

   _____

   c. _____

   _____

4. What should you configure on the guest operating system before installing the DBMS?

   a. _____

   b. _____

   c. _____

5. What security considerations should you take into account? (Hint – Both OS and DBMS)

a. _____

_____

b. _____

_____

c. _____

6. List the three backup models in SQL Server and the associated pros and cons.

a. _____

   i. _____

   ii. _____

b. _____

   i. _____

   ii. _____

c. _____

   i. _____

   ii. _____

7. Explain the difference between SQL Server jobs and tasks. What are they used for?

a. _____

_____

_____

8. What hierarchy of security principals would you require to connect to a database from a Windows domain computer?  (Hint – do you require two or three?)

a. _____

_____

b. _____

_____

9. What database level permission do users require to execute select statements against a database?

a. _____

10. What page type would be used for each of these data types?

a. nvarchar(100) _____

b. nvarchar(max)_____

c. XML data_____