

Part 3



* Indica una domanda obbligatoria

TEST ID *

La tua risposta

Q11: For every **pangenome**, write a Cypher query that return its name, together with its number of **families** that contain annotations. State also how many answers it returns.

La tua risposta

Explain how you came up with the previous Cypher query. *

La tua risposta

Q12: Write a Cypher query that returns all **modules** together with the average similarity of the **gene families** they are comprised of, in descending order. State also how many answers it returns. *

La tua risposta

Explain how you came up with the previous Cypher query. *

La tua risposta

Q13: Write a Cypher query that returns the names of the **modules** that contain the pairs of **gene families** that have the minimum and, respectively, the maximum **similarity** (as indicated by the value of the "identity" property of the "IS_SIMILAR" edge connecting them). State also how many answers it returns. *

La tua risposta

Explain how you came up with the previous Cypher query.

La tua risposta

Q14: Write a Cypher query that returns the top 10 **gene families** with the highest number of associated **modules**. State also how many answers it returns. *

La tua risposta

Explain how you came up with the previous Cypher query. *

La tua risposta

Q15. Return the names of the top 10 pairs of similar **families** (as defined in Q13), ^{*} whose associated **identity** and **coverage** metrics surpass 0.8, together with the names of their **partitions** (as indicated by the value of the "subpartition" property associated to the nodes of type "Partition"). State also how many answers it returns.

La tua risposta

Explain how you came up with the previous Cypher query. ^{*}

La tua risposta

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