# Configure your session to run on 4 partitions. Add all the commands to the Python script. Take a full screenshot. (3 marks)

A screenshot of a computer

Description automatically generated

# Represent the graph described below in a Spark GraphFrame object, and name the frame firstname\_graph where first\_name is your first name.

A screenshot of a computer

Description automatically generated

# Query the graph to show the oldest person and display the result on the console.

A screenshot of a computer

Description automatically generated

# Query the graph to show the names of all students who are directly or indirectly connected to a teacher.

A screenshot of a computer screen

Description automatically generated

# Query the graph to show the top two people who are most connected through indirect relationships (e.g., "friends of friends").

A screenshot of a computer screen

Description automatically generated

# Query the graph to identify the strongest components:

# Show a table indicating the components and the count of vertices in each component.

A screenshot of a computer screen

Description automatically generated

# Show the details of all the vertices in the largest component.

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Description automatically generated