**QAP 2 Assignment- Question Answers**

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Problem #1 Solution: The snake function is designed to convert a string into lower snake case style. This means that it should replace all internal whitespace (spaces, tabs, and dots) with underscores ('\_') and make all the letters lowercase.

Problem #2 Solution: The createVideo function is designed to generate an HTML <video> element based on the provided URL, width, and an optional controls attribute.

Problem #3 Solution: The parseDateString function is designed to parse a date string in the format "YYYY-MM-DD" and return a JavaScript Date object representing that date. It also performs error checking and throws exceptions when the input date string is incorrectly formatted or invalid.

Problem #4 Solution: The toDateString function is designed to take a JavaScript Date object as input and return a date string formatted as "YYYY-MM-DD" with zero-padded month and day values. If the input is not a valid Date object, the function throws an error with an appropriate error message.

Problem #5 Solution: The normalizeCoord function is designed to parse and reformat geographic coordinate strings into a specific format, namely "(lat, lng)". Geographic coordinates consist of latitude and longitude values, which are decimal numbers. The function handles variations in input formats and ensures the output format is consistent.

Problem #6 Solution: For this problem, I also used the normalizeCoord function.