

**DISPARA TU
ESTRATEGIA**



**PROCEDIMIENTOS
ALMACENADOS PARA
DOMINAR LA ISLA**

GAME RULES

Welcome to the Island. To be considered a fan and belong to the groupie of followers of the island of temptations you will have to prove that you are prepared to overcome all the following challenges. You simply have to follow some basic rules.

- Use the installation file to get your database ready.
- Deliver the katas in a file with this format **KATAN_FIRSTNAME_LASTNAME.SQL**
- In the deliveries, you have to make sure that it does not fail if the trigger, function or procedure already exists.
- At the end of the class, deliver all finished katas.
- Use appropriate control structures at all times and use cursors. You will be rewarded.
- Be aware of exceptions and check that they do not fail when the data is wrong.
- Do not copy, the challenge is individual.

TRIGGERS

KATA 1

Create a trigger that automatically updates the `fecha_decision` (decision date) of a couple when their `decision_final` is modified. Use the table "parejas" with fields "`decision_final`" and "`fecha_decision`".

TRIGGERS

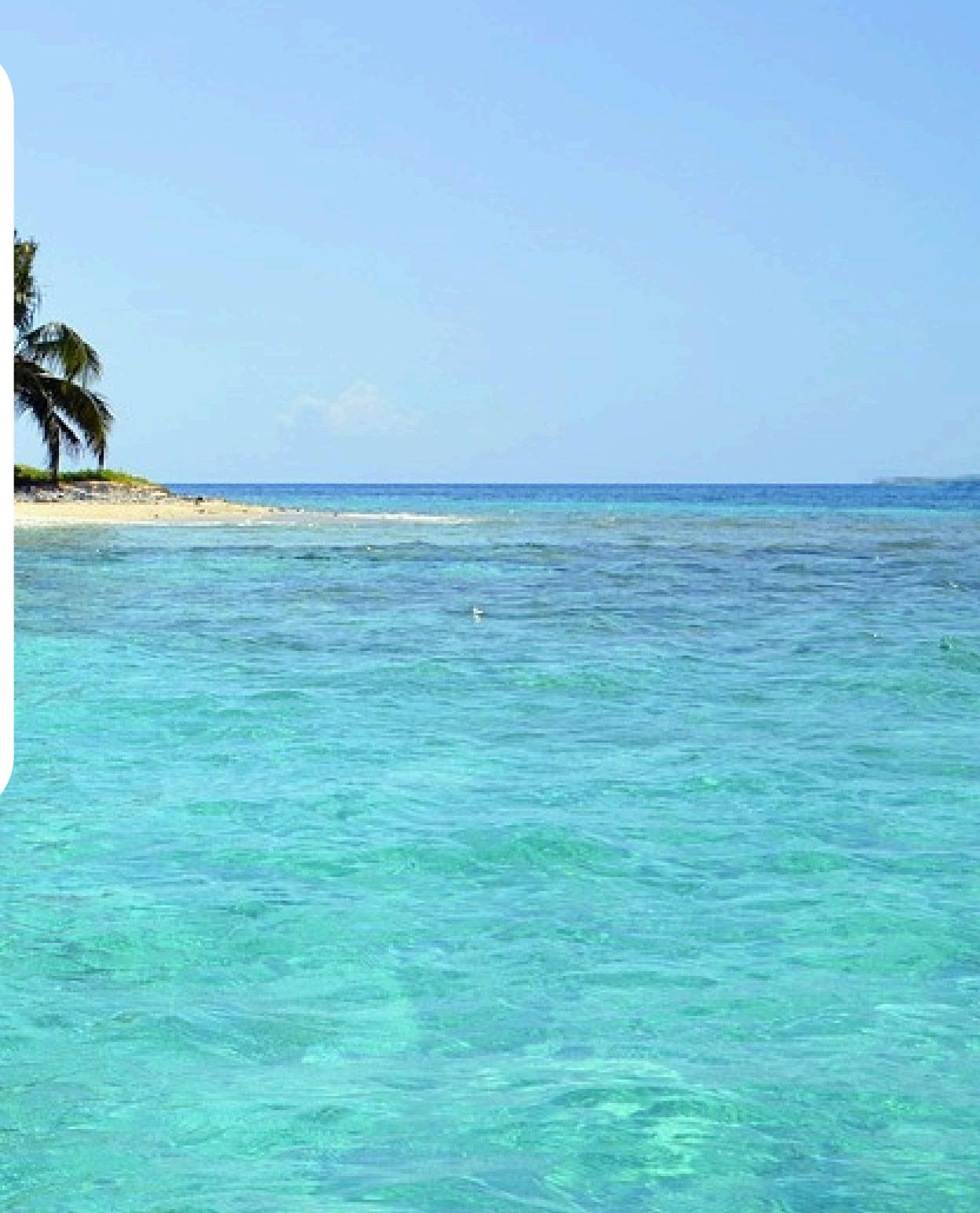
KATA 2

Create a trigger that prevents contestants under 18 years old from being inserted. Use the table "concursantes" with field "edad".

TRIGGERS

KATA 3

Create a trigger that logs all changes made to the "episodios" table in an audit table, including the user who made the change. Use tables "episodios" and a new table "auditoria_episodios".



TRIGGERS

KATA 4

Create a trigger that prevents a "pretendiente" (tempter) from being assigned to more than one edition simultaneously. If an attempt is made to insert a tempter into a new edition, the trigger should update the fecha_expulsion (expulsion date) of the tempter in the previous edition. Use the table "pretendientes" with fields "id", "id_edicion", and "fecha_expulsion".



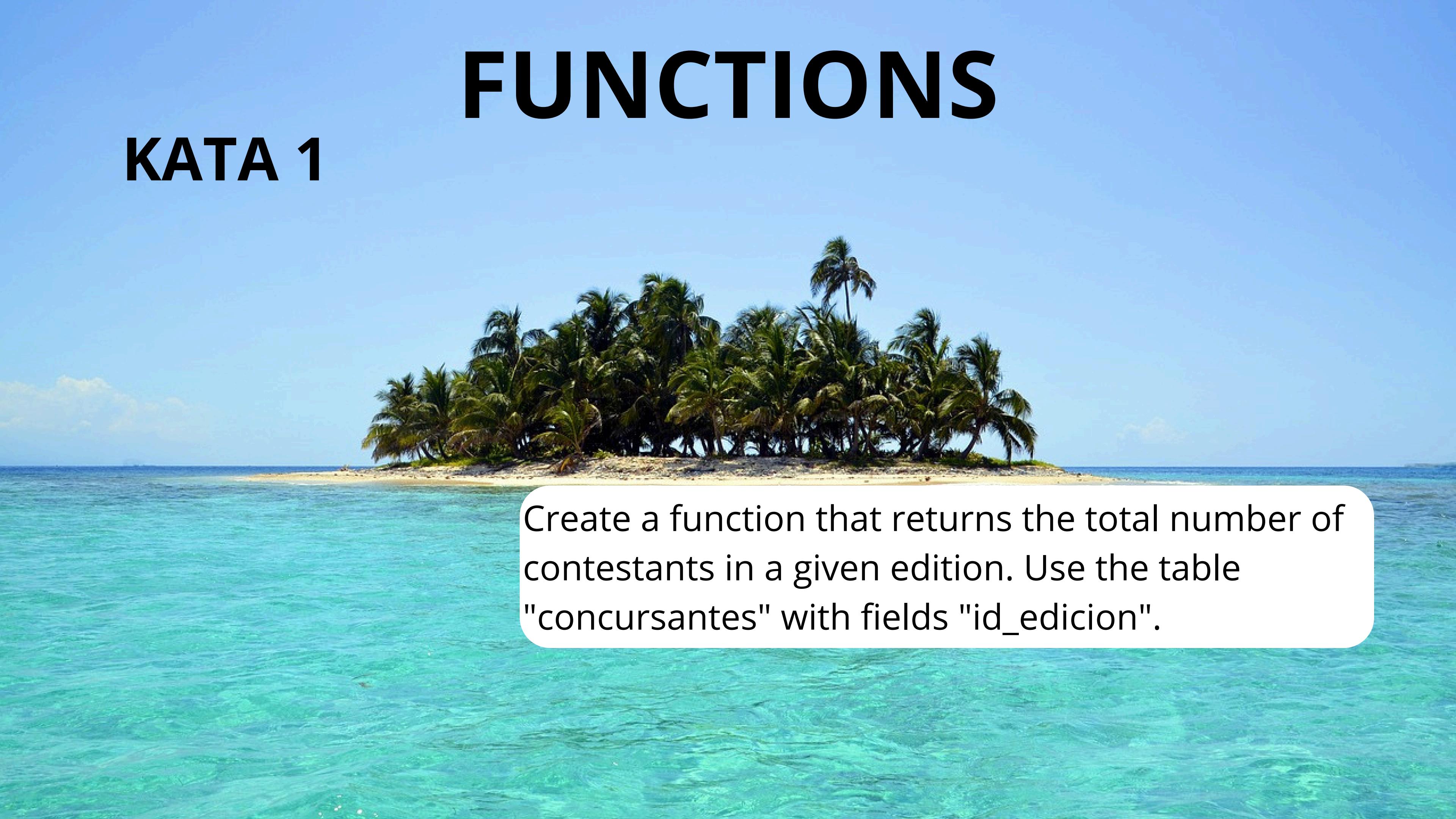
TRIGGERS

KATA 5

Create a trigger system that keeps a table of couple statistics per edition updated. This table should include the total number of couples, the number of couples still together, the number of separated couples, and the average relationship time. The triggers should update this table every time a couple is inserted, updated, or deleted. Use tables "parejas", "concursantes", "ediciones" and a new table "estadisticas_parejas_edicion"

FUNCTIONS

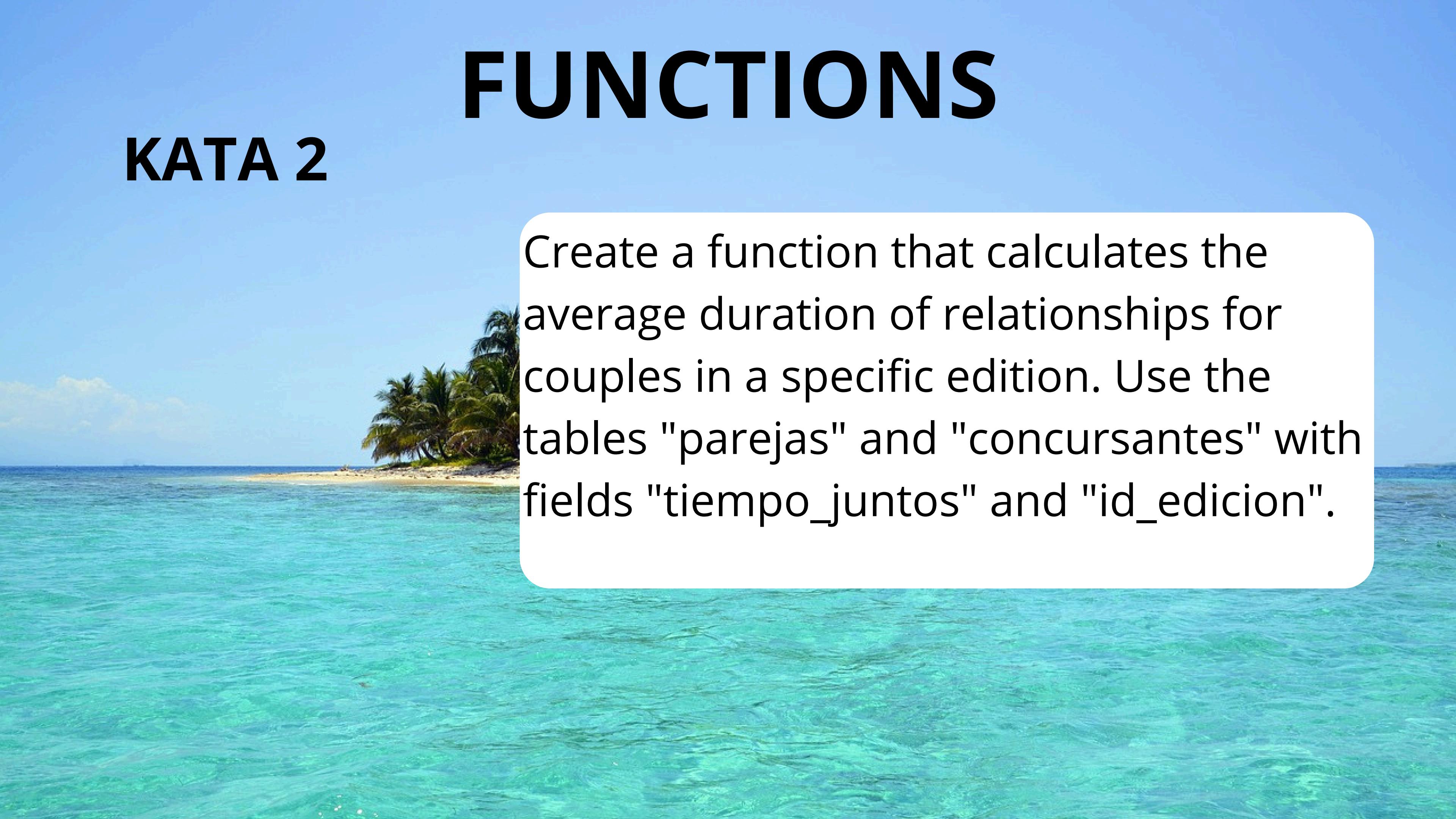
KATA 1

A small, sandy island in the middle of a vast, clear blue ocean. The island is densely covered with green palm trees. The water is a vibrant turquoise color, and the sky is a clear, pale blue.

Create a function that returns the total number of contestants in a given edition. Use the table "concursantes" with fields "id_edicion".

FUNCTIONS

KATA 2

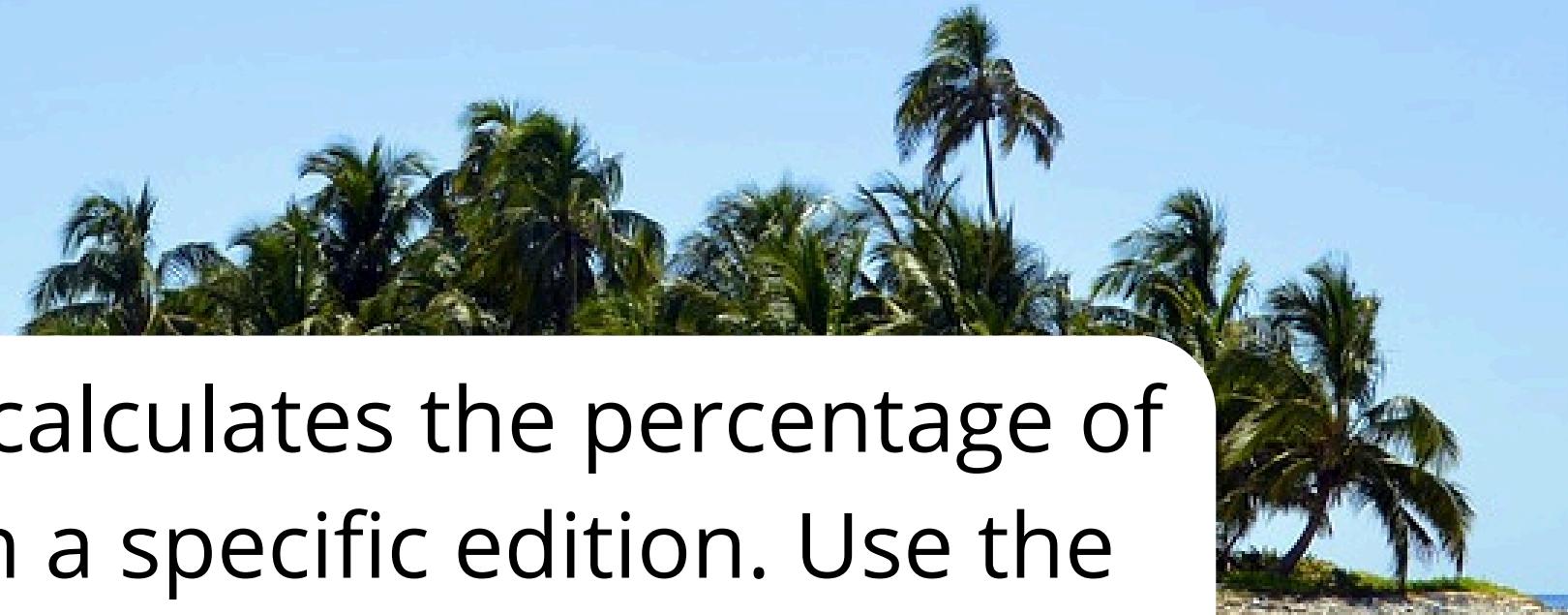
A photograph of a small, sandy island in the middle of a vast, clear blue ocean. The island is covered with several tall palm trees and some low-lying greenery. The water is a vibrant turquoise color, and the sky above is a bright, clear blue with a few wispy white clouds.

Create a function that calculates the average duration of relationships for couples in a specific edition. Use the tables "parejas" and "concursantes" with fields "tiempo_juntos" and "id_edicion".

FUNCTIONS

KATA 3

Create a function that calculates the percentage of couples still together in a specific edition. Use the tables "parejas" and "concursantes" with fields "decision_final" and "id_edicion".



FUNCTIONS

KATA 4

Create a function that calculates the average audience of episodes in an edition. Use the table "episodios" with fields "audiencia" and "id_edicion".

FUNCTIONS

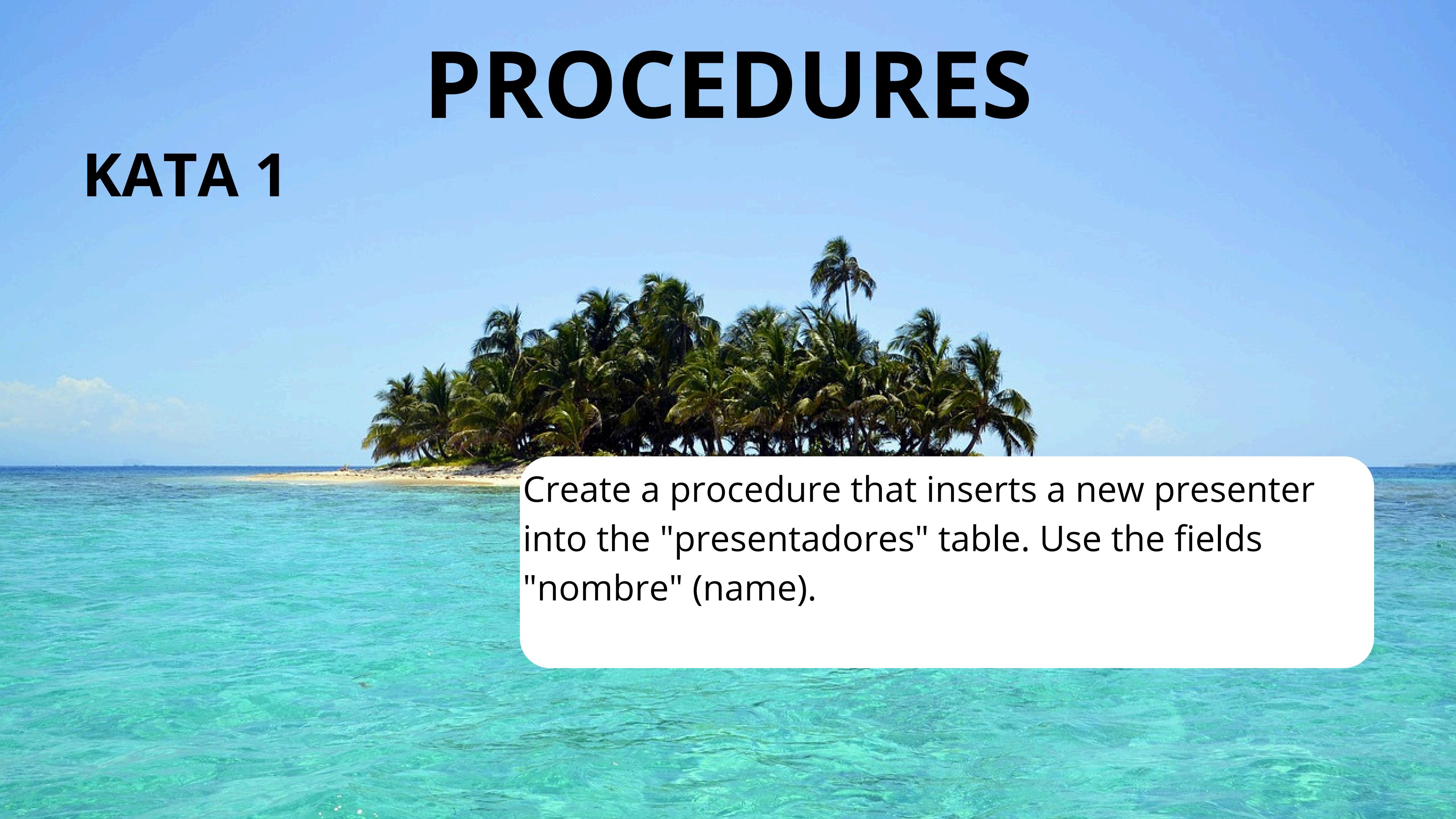
KATA 5

Create a function that generates a statistics report for an edition, Use the tables "concursantes", "parejas", and "pretendientes" with fields "id", "nombre", "edad", "id_edicion", "decision_final", and "fecha_expulsion".

- EDITION
- TOTAL CONTESTANTS
- AVERAGE AGE
- COUPLES TOGETHER
- COUPLES SEPARATED
- EXPELLED SUITORS

PROCEDURES

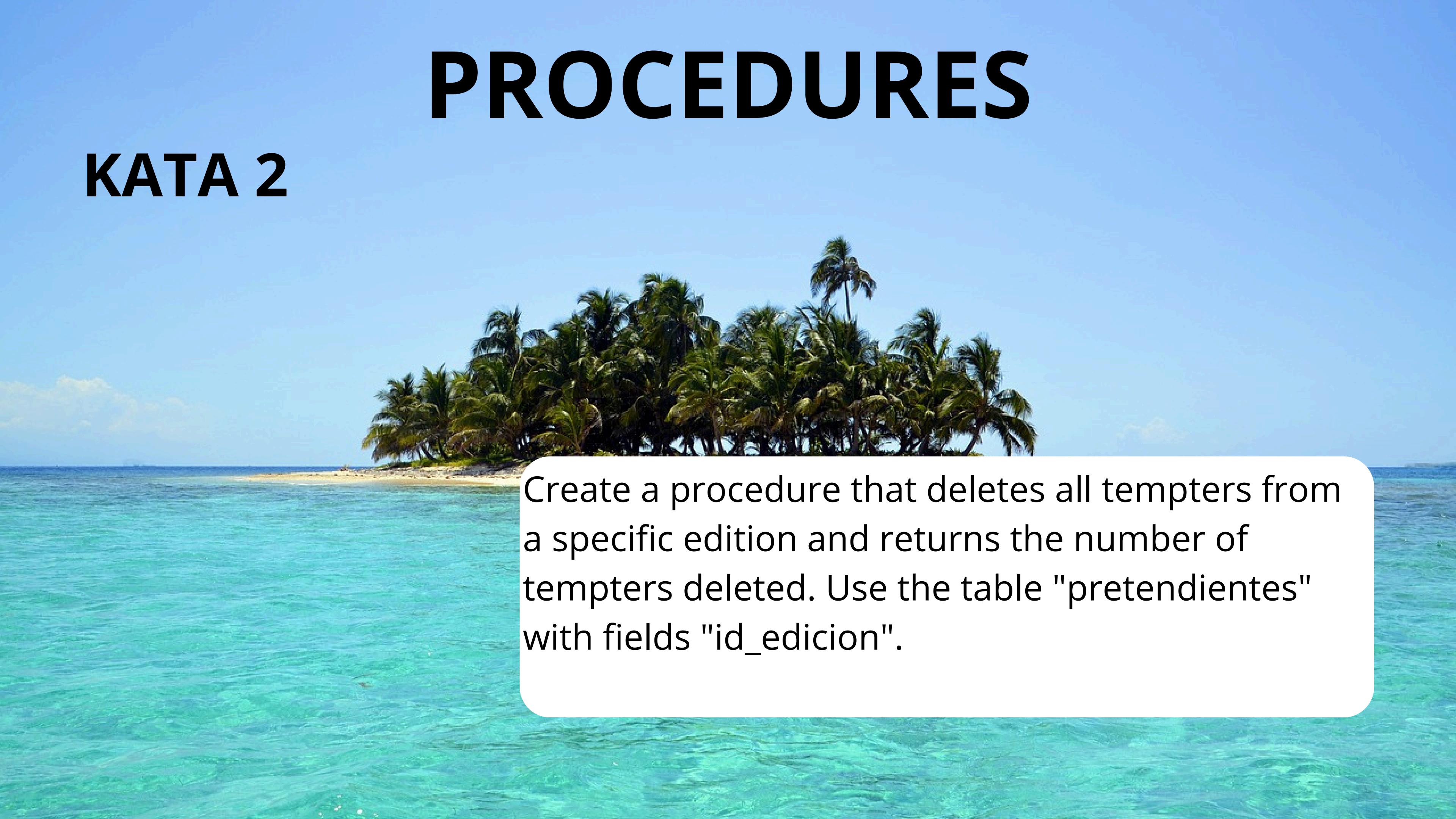
KATA 1

A photograph of a small, isolated tropical island. The island is covered in dense green palm trees and is surrounded by a shallow, sandy beach. The water in the foreground is a vibrant turquoise color, transitioning to a deeper blue further out. The sky is clear and blue.

Create a procedure that inserts a new presenter into the "presentadores" table. Use the fields "nombre" (name).

PROCEDURES

KATA 2

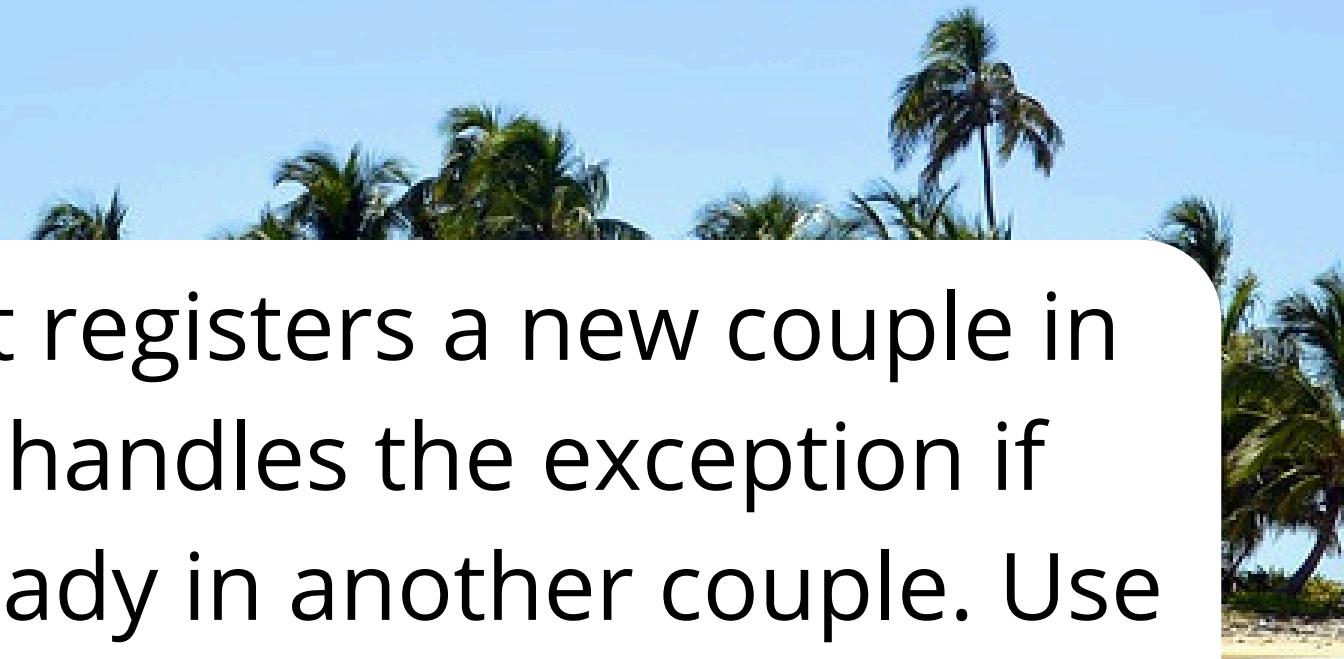
A photograph of a small, isolated tropical island. The island is covered in dense green palm trees and some smaller tropical foliage. It sits in the middle of a vast, clear blue ocean with shallow, sandy reefs visible at the water's edge. The sky is a bright, clear blue with a few wispy white clouds.

Create a procedure that deletes all tempters from a specific edition and returns the number of tempters deleted. Use the table "pretendientes" with fields "id_edicion".

PROCEDURES

KATA 3

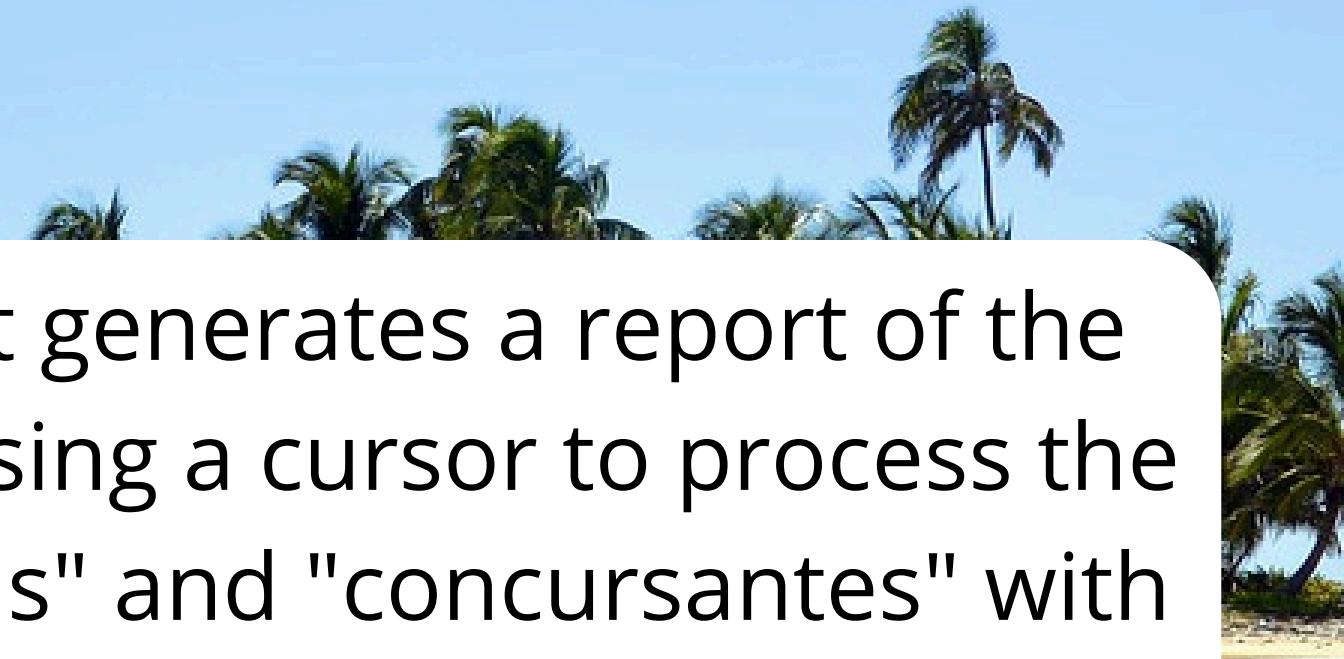
Create a procedure that registers a new couple in the current edition and handles the exception if either contestant is already in another couple. Use tables "parejas" and "concursantes" with fields "id_chico", "id_chica", "id_edicion".



PROCEDURES

KATA 4

Create a procedure that generates a report of the couples in an edition, using a cursor to process the data. Use tables "parejas" and "concursantes" with fields "id_chico", "id_chica", "nombre", "id_edicion", "tiempo_juntos", "decision_final".



PROCEDURES

KATA 5

Create a procedure that simulates the bonfire process, where each couple makes a random final. Use tables "parejas", "concursantes" with fields "id_chico", "id_chica", "decision_final", "id_edicion".

