**Intelligent Systems**

**Exercise 12. Representation in   
First-Order Predicate Logic**



# Exercise description

The objective of this exercise is to apply the concepts of knowledge representation to translate English statements into First-order Predicate Logic sentences.

**Team members**

Write the student id, name, and campus of each member in a different line.

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**REPRESENTATION FOL**

1. Translate the following sentences from English to First-Order Predicate Logic sentences using adequate vocabularies of predicates (show the interpretation of each used constant, predicate and/or function:
2. Peter does not play football.

Or

1. Frank and Louis are cousins.
2. Neither Maria nor Lupita is a nurse.
3. Every visitor is either Chinese or Japanese.
4. God is bigger than all my problems.

1. Every coyote chases some roadrunner.
2. Some Tigres fans are friends of some Rayados fans.
3. All the girls between George and John are taller than Lupita.

1. Every student takes at least one course.
2. Students who do class exercises also pass the course.