# NAO Challenge 2021

## Don't Stop me NAO

Simona Scala - 0001033460

Sara Vorabbi - 0001026226

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# You should be dancing!

1. Stayin' Alive – Bee Gees
2. 20 Dance Moves:
   - 6 mandatory
   - 7 intermediate
   - 7 optional
3. Imported from *.crg* files, modified and exported as *.py*
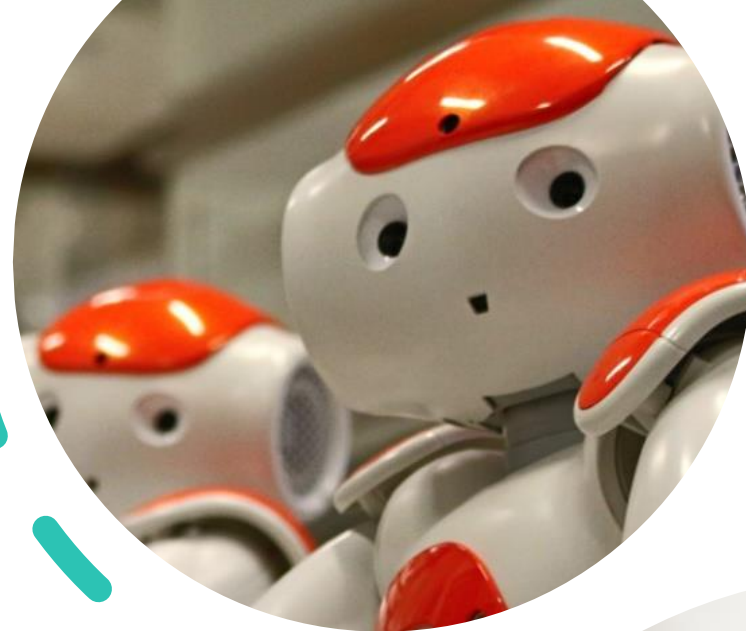
# Planning (aima)

- **class PlanningProblem:**

Used to define the Planning Problem starting from a Knowledge Base

- **class GraphPlan:**

Given a Planning Problem, the solution is finally found through the Graph Plan
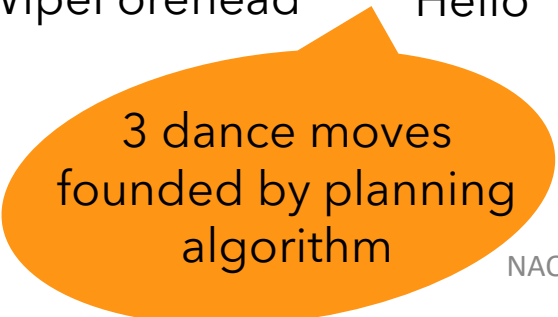
# Python 2.7 and Python 3.7

- Compatibility problems encountered during the development of the project

- **Aima** (python 3.7)

- **Naoqi** (python 2.7)

# Time Constraint

- Planning divided in sub goals
- Sub goals are mandatory moves
- Every sub goals last 30 seconds
- 3 moves between each sub goals lasting 5~10 seconds each

StandInit    Sit    WipeForehead    Hello    SitRelax    Stand    StandZero    Crouch

3 dance moves founded by planning algorithm

# Thanks for the attention!

**Team:** Don't Stop Me NAO
**Members:** Simona Scala
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