

DECEMBER 13TH 2022 – CODE X ALL

Amazing Coding

Let's play with coding...

Team game to be played in the atrium

CLASSES INVOLVED: Erasmus delegations + Italian students

EXPECTED TIME FOR THE PLAYING OF THE GAME: 1 ½ hour

GAME DESCRIPTION: the team (class X) draws the sheet with the indications of the labyrinth to be solved. Using the suggested commands, students must:

1. Write the commands needed to solve the maze with as few commands as possible. The player inside the labyrinth can move horizontally and vertically, but not diagonally.
2. Choose two players within the team: the first will have to read the commands written clearly and in succession, the second will have to physically execute the commands like an automaton remotely controlled by the first player's voice and lead the team to victory.

COMMANDS TO USE:

- **move forward** (player moves forward one square)
- **turn right** (the player rotates 90° to his right while remaining in the square where he is positioned)
- **turn left** (the player rotates 90° to his left while remaining in the square where he is positioned)
- **remove obstacle** (the player moves the obstacle in front of him to the square immediately to the right or left)
- **take object** (the player grabs the object presented in front of him)

EXAMPLE OF A LABYRINTH

Team X enters square H1 and leaves square A4 – **collect the object placed in the maze**

Legend of symbols:

- ✕ obstacle

- ⬠ object

	A	B	C	D	E	F	G	H	I	L
1	✕			✕			✕		✕	
2		✕	⬠			✕		✕		
3					✕		✕		✕	
4		✕				✕		✕		✕
5				✕		✕			✕	
6	✕									
7		✕						✕		
8			✕		✕		✕		✕	
9	✕	✕				✕		✕		✕
10	✕	✕		✕			✕		✕	

Possible solution

Command list:

- **ENTRANCE H1**
- remove obstacle (on the left)
- go on
- turn right
- go on
- remove obstacle (on the left)
- go on
- go on
- go on
- go ahead and take item
- turn left
- go on
- turn right
- go on
- go on
- turn left
- go ahead
- turn right – **EXIT A4**

	A	B	C	D	E	F	G	H	I	L
1	X			X			X		X	
2		X							X	
3					X	X	X		X	
4		X				X		X		X
5				X		X			X	
6	X									
7		X						X		
8			X		X		X		X	
9	X	X				X		X		X
10	X	X		X			X		X	



Ancient Roman house - Virtual tour

When a senator went to the Senate and crossed the forum, he was recognized, it seems, above all by his purplish-red shoes: the *kicks*. But where do these senators live? Well, they live in beautiful mansions! Either on the palatine or, depending on the era, in any case next to the forum. The *Domus* were sumptuous residences, they were the houses of the aristocrats and could reach several thousand square meters of surface, they did not face outwards except for very small openings placed high up. They were closed on themselves and took the light from a central open space where it was often found a large tank. Let's see how these villas will look in this 3D graphic reconstruction. The walls were frescoed with brightly colored paintings, the furniture was very few but carefully crafted. There were many tables and small tables, on some of which heavy jugs, cups and other silver objects were displayed, they were the status symbols of the wealthy Romans. But the opulence of the hosts was also reflected in the dining room. The triclinium beds, on which the guests lay, could be arranged in different ways, from here you passed to the library where you could read the papyri with the most important writings of the time: philosophical, historical, literary or law and astronomy treatises. The *Domus* also had private spas! A luxury that the wealthiest Romans would never have given up. Today we would find these houses very uncomfortable. In summer they must have been quite cool with their fountains and the dim light of the rooms, but in winter, one could only warm up with the braziers and since there were no glass, the only way to close the openings was to draw the heavy curtains and then many slaves have to work non-stop all day to do household chores.

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