



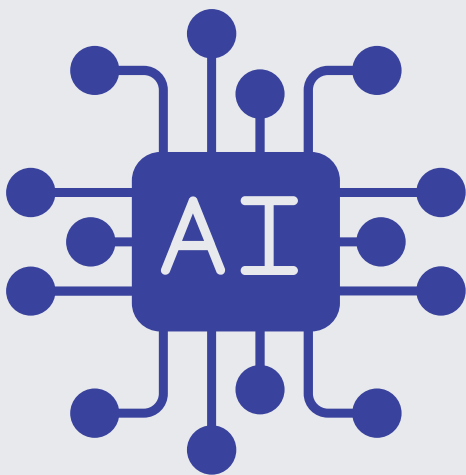
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The CodER Physical Scenarios Handbook

Instruction for participants

Title: Help Lilian Balatsou



1.Game description

On a stormy evening Evangelia (Lilian) Balatsou, a cognitive neuroscientist and conversational AI expert, founder of the Greek Girls Code, is living in her “Smart Mansion” a State of the Art “IoT” House, where everything is connected and monitored by an AI processor. “The Internet of things (IoT) describes physical objects (or groups of such objects) with sensors, processing ability, software and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks” ~ Gillis, Alexander (2021). “What is internet of things (IoT).

Doors, Electrical Appliances, Windows, all can be operated by voice with the help of the Super - Intelligent Home AI. Along with it, “AB-E”, her Digital Assistant and “Caesar” her loyal dog, a white Jack Russel Terrier, one of the smartest breeds of canine.

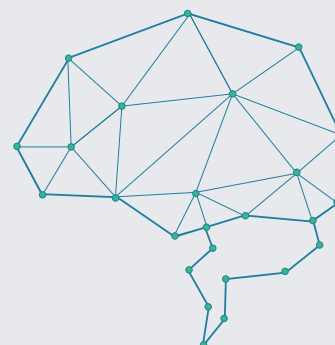
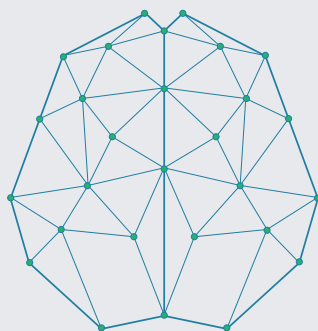
Today, it’s her “Book Club” gathering at her house. She is enjoying a cup of freshly brewed coffee with her friends and reading her favourite Book the “The Cryptography in Roman Times”. Cryptography is the study of secure communications techniques that allow only the sender and intended recipient of a message to view its contents. The term is derived from the Greek word cryptos, which means hidden.” ~ www.kaspersky.com

Suddenly a lightning hit the house causing a Power failure. Everything went off and silent. Caesar starts barking. AB-E is informing us about the situation. The Back-Up Generator begins to solve this power outage bringing back everything on line as they used to be. Unfortunately, not all!

Red lights start to flashing and from the speakers a voice can be heard calling “Intruders, Intruders, Alert! Initializing Defensive Mechanisms. Locking exits, shutdown services. Intruders must be confined. Permanent Lockdown State. ETA 1 hour” Every Possible way out is being shielded.

“Oh No” said AB-E. “The Home AI is been malfunctioning. The Lighting must overcharge its circuit leading to fault results on its sensors. We are the Intruders. You have to reach the Main Control Panel located in the Computer Room and re Boot its systems.” To do so you have to cross four rooms. You have to hurry. In 1 hour, the situation will be unreversible”

Suddenly a strange noise came from AB-E. “AI... Hacking me... trying to shut me down... actuate countermeasures... going periodically offline” AB-E is no longer with us as it tries to defend itself from the AI Home’s malevolent reach.



2. How to win/escape?

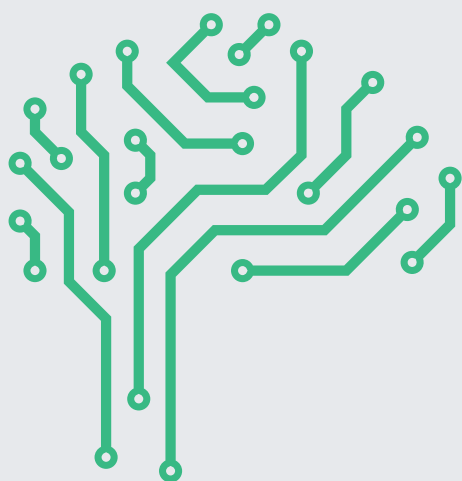
You must solve the 4 Quizzes and gain access to each room, reaching the Computer Room, re-Booting HOME AI and escaping the Mansion, using hints and information from the surrounding items before the time is up (1 hour).

3. How to find hints?

Must closely examine each object inside each room for clues. Anything can and will be a potential piece of the solution as to open the Digital Locked door of the Room. As the time ends the Digital Assistant will try to help you move on with an extra hint.

4. Tips & tricks

Since the Puzzles are all about the STEM Education, players have to look out for clues focusing on these fields. Algorithms, Numbers, Codes etc are keys to success. The Digital Assistant will be there for you though you have no time to waste.





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