**Prompt Engineering**

**Exercise 01: Progressive Prompting**

**Question:** Develop a conversation where ChatGPT narrates the result.(Choose any subject)

**Example** ►The history of artificial intelligence, starting broadly and progressively narrowing it down to a specific breakthrough:

* Prompt 1: "Can you tell me about artificial intelligence?"
* Prompt 2: "What were the key milestones in the development of AI?"
* Prompt 3: "Describe the significance of neural networks in AI history."

**Exercise 02: Creative Storytelling**

**Question:** Craft an imaginative story.(unleash your creativity)

**Example** ►Story about time travel, involving space exploration, and a surprising twist at the end using ChatGPT.

* Prompt 1: "Generate a story about time travel."
* Prompt 2: "Integrate space exploration into the time travel narrative."
* Prompt 3: "Add a unexpected twist to the story's conclusion."

**Exercise 03: Problem-Solving Challenge**

**Question:** Pose a problem related to environmental sustainability and guide ChatGPT to propose a creative and feasible solution.

**Exercise 04: Logo Design**

**Question:**  Use “Copilot” or ”Bing image generator” to design a logo related to real-estate company named “Dream Home”. Bring your creative vision to life by offering a clear and fitting description of your design.

**Exercise 05: Code Generation Challenge**

**Question:** Task ChatGPT to help you building an Budget web application using “HTML,CSS, and JS”. Including :

* A table that shows the budget information (Incomes and expenses)
* Incomes and expenses should be inserted by the user
* Pie chart (incomes and remaining)

**Exercise 06: Multilingual Dialogue**

**Question:** Engage ChatGPT in a multilingual conversation, starting in English and transitioning to Arabic . Explore how the model adapts to language changes.

**Exercise 07: Data Processing**

**Question:** Display the following data in a well formatted table to add it to a Word/Excel file:

{"name": "Ahmad", "subject": "Mathematics", "grade": 85, "gpa": 3.5},

{"name": "Sara", "subject": "English", "grade": 92, "gpa": 3.9},

{"name": "Ali", "subject": "Science", "grade": 78, "gpa": 3.2},

{"name": "Fatima", "subject": "History", "grade": 88, "gpa": 3.7},

{"name": "Yousef", "subject": "Geography", "grade": 79, "gpa": 3.3},

{"name": "Nour", "subject": "Physics", "grade": 95, "gpa": 4.0},

{"name": "Omar", "subject": "Chemistry", "grade": 81, "gpa": 3.4},

{"name": "Layla", "subject": "Biology", "grade": 90, "gpa": 3.8},

{"name": "Hassan", "subject": "Computer Science", "grade": 86, "gpa": 3.6},

{"name": "Mariam", "subject": "Art", "grade": 75, "gpa": 3.0}