**DATA SCIENCE USING CHATGPT**

**WEAPON DEPLOYMENT LOCATION**

Create a dictionary where the keys are location names that may contain incorrect or abbreviated terms, and the values are the corresponding corrected or full location names. The dictionary should contain a variety of locations, including cities, regions, and islands, that are commonly misspelled, abbreviated, or misrepresented. Include corrections for names in different countries, such as 'Amchitka Ak' to 'Amchitka', 'Arkhan Russ' to 'Arkhangelsk', 'Farmingt Nm' to 'Farmington', and so on. The output should be a Python dictionary with corrected location mappings

**Purpose**

Create a Python dictionary that maps abbreviations related to different purposes in nuclear testing to their full descriptions. The dictionary should contain a variety of purposes, including military, safety, engineering, and peaceful nuclear explosion testing, with appropriate abbreviations such as 'Combat' to 'Combat Detonation', 'Fms' to 'Function Material Study', 'Pne' to 'Peaceful Nuclear Explosion', 'Wr' to 'Weapon-Related', and so on. Each abbreviation should have a corresponding full description. The output should be a well-structured dictionary in Python format."

**Type**

Create a Python dictionary that maps abbreviations related to different test types to their full descriptions. The dictionary should contain common test locations or environments, such as 'Atmosph' to 'Atmospheric', 'Shaft/Gr' to 'Shaft Ground-Based', 'Ship' to 'Ship-Based', 'Space' to 'Space-Based', and others related to testing environments like underground, underwater, and surface tests. Each abbreviation should have a corresponding full description. The output should be in a well-structured dictionary format."