A4

APIs, properties and cache

CHAPTER ASSIGNMENT

Name _____ Class _____ No. _____ Date _____

> Write your code in the space, then test it in the Apps Script editor. Mark where it went wrong if it did.

Questions from the Guru Jazzy chapter page, for classroom use.

Practice tasks

1. **Run counter** (Easy). Each run, add 1 to a number in Script Properties and log "Run number n".

2. **Thai holidays** (Medium). Fetch this year's Thai public holidays from `https://date.nager.at/api/v3/PublicHolidays/YEAR/TH` and write date, Thai name and English name to a new tab.

3 **=THB_TO(amount, "USD")** (Challenge). A custom function that converts baht using a free exchange-rate API, caching the rates for 6 hours so a column of 100 formulas makes one call.

Chapter quiz

Q1 UrlFetchApp.fetch(url) returns...

A	B	C	D
The parsed data	An HTTPResponse; you call getContentText() and JSON.parse it	A string	A Promise

Q2 What does muteHttpExceptions: true do?

A	B	C	D
Hides the log	Returns 4xx/5xx responses instead of throwing, so you can inspect them	Ignores the network	Retries automatically

Q3 Where should an API key go?

A	B	C	D
In a const at the top of Code.gs	In Script Properties	In cell A1	In the web app URL

Q4 Which store gives each user their own value?

A	B	C	D
Script Properties	User Properties	Script Cache	A sheet

Q5 CacheService is a good place for…

A	B	C	D
Student marks you must keep	An API response you can fetch again if it disappears	Passwords	Your only copy of settings

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Q6 A function named helper_ (with a trailing underscore) is…

A	B	C	D
Broken	Private: it can't be chosen in the Run menu or called by google.script.run	Faster	Run on every open

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End of assignment · Check your answers against the chapter at gurujazzy.com/subjects/apps-script/a4-apis-properties-cache/