

# Lab: Practicing Google Dorking Commands

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**Estimated time:** 20 minutes

## Learning objectives

- Apply Google Dorking commands in a pen-testing scenario
- Analyze how different Google Dorking commands contribute to gathering information

## Introduction

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This activity involves tasks that will help you solidify your understanding of Google Dorking commands and how they contribute to uncovering vulnerabilities and hidden data.

**Note:** It is recommended that you use **Google Chrome** for this activity. Type the commands directly into your browser's search bar to complete each task.

## Task 1: Finding historical content

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**Objective:** To identify outdated technologies or practices that may present vulnerabilities

1. Launch your web browser and navigate to a search engine (for example, Google).
2. Ensure the search bar is empty.
3. Type the following command in the search bar:

	1. 1
1. artificial intelligence before:2015-01-01	

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4. Press **Enter**.
5. Examine the articles on artificial intelligence published prior to January 1, 2015.

**What to look for:** Older articles referencing outdated AI libraries or technologies still in use, which could be vulnerable.

Google

artificial intelligence before: 2015-01-01

AI Mode

All

Images


Videos

News

Short videos

Shopping


More options ▾

Wait But Why

<https://waitbutwhy.com> › 2015/01 › artificial-intelligence... ⋮

The Artificial Intelligence Revolution: Part 1 ✓

Jan 22, 2015 — What's happening in the world of AI is not just an important topic, but by far THE most important topic for our future.

Wikipedia

<https://en.wikipedia.org> › wiki › Timeline\_of\_artificial\_... ⋮

Timeline of artificial intelligence ✓

In January 2015, Stephen Hawking, Elon Musk, and dozens of **artificial intelligence** experts signed an open letter on **artificial intelligence** calling for research ...

Missing: 2015-01-01

People also ask ⋮

What was before artificial intelligence? ▾

## Task 2: Locating file types

**Objective:** To find specific file types that might contain sensitive information

1. Ensure the search bar is empty.
2. Type the following command in the search bar:

	1. 1
1. filetype:pdf climate change	
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3. Press **Enter**.
4. Review the list of PDF documents related to climate change.

**What to look for:** PDF documents that might include confidential reports or internal data relevant to the target.

← → ↻ 🔍 google.com/search?q=filetype%3Apdf+climate+change&oq=filetype%3Apdf+climate+change&


📁 | ★ Bookmarks 📄 Adobe Acrobat

Google filetype:pdf climate change

 The Global Climate and Health Alliance  
https://climateandhealthalliance.org › 2021/05 › G... PDF ⋮


**Tackling climate change could be the greatest global ...** ✓

Climate change, alongside the collapse of biodiversity, **are the biggest global health threats of the 21st century**. Direct climate change impacts are ...

 U.S. Senate Committee on Environment and Public Works (.gov)  
https://www.epw.senate.gov › \_cache › files › 01... PDF ⋮


**The Facts and Science of Climate Change** ✓

**Global warming** alarmists see a future plagued by catastrophic flooding, war, terrorism, economic dislocations, droughts, crop failures, mosquitoborne diseases, ...  
22 pages

 U.S. Environmental Protection Agency (.gov)  
https://19january2017snapshot.epa.gov › documents PDF ⋮

**What Climate Change Means for New Mexico** ✓

Our **climate** is **changing** because the earth is warming. People have increased the amount of carbon dioxide in the air by 40 percent since the late 1700s. Other ...

 UNFCCC  
https://unfccc.int › application › pdf › converg PDF ⋮

## Task 3: Searching within text

**Objective:** To identify web pages that discuss certain technologies or topics related to the target

1. Ensure the search bar is empty.
2. Type the following command in the search bar:

1. `intext:machine learning`

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3. Press **Enter**.
4. Review the web pages that mention **machine learning** in the body text.

**What to look for:** Web pages that discuss specific technologies or implementations that could indicate potential weaknesses.


← → ↻ google.com/search?q=intext%3Amachine+learning&oq=intext%3Amachine+learning&gs\_lcrp=EgZja

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**Google** intext:machine learning


**What is Machine Learning? Types and uses** ✓

**Machine learning** is a subset of artificial intelligence that enables a system to autonomously learn and improve using neural networks and deep learning.

 **DataCamp**  
https://www.datacamp.com › Blog › Machine Learning

**What is Machine Learning? Definition, Types, Tools & More** ✓


In simpler terms, **machine learning enables computers to learn from data** and make decisions or predictions without being explicitly programmed to do so. At its ...

 **Carnegie Mellon University**  
https://www.ml.cmu.edu

**Machine Learning - CMU - Carnegie Mellon University** ✓

**Machine learning (ML)** is a fascinating field of artificial intelligence research and practice where we investigate how computer agents can improve their ...

[Our People](#) [Core Faculty](#) [Become a Machine Learning...](#) [Academics](#)

 **Coursera**  
https://www.coursera.org › ... › Machine Learning

**Supervised Machine Learning: Regression and Classification** ✓

## Task 4: Identifying linked pages

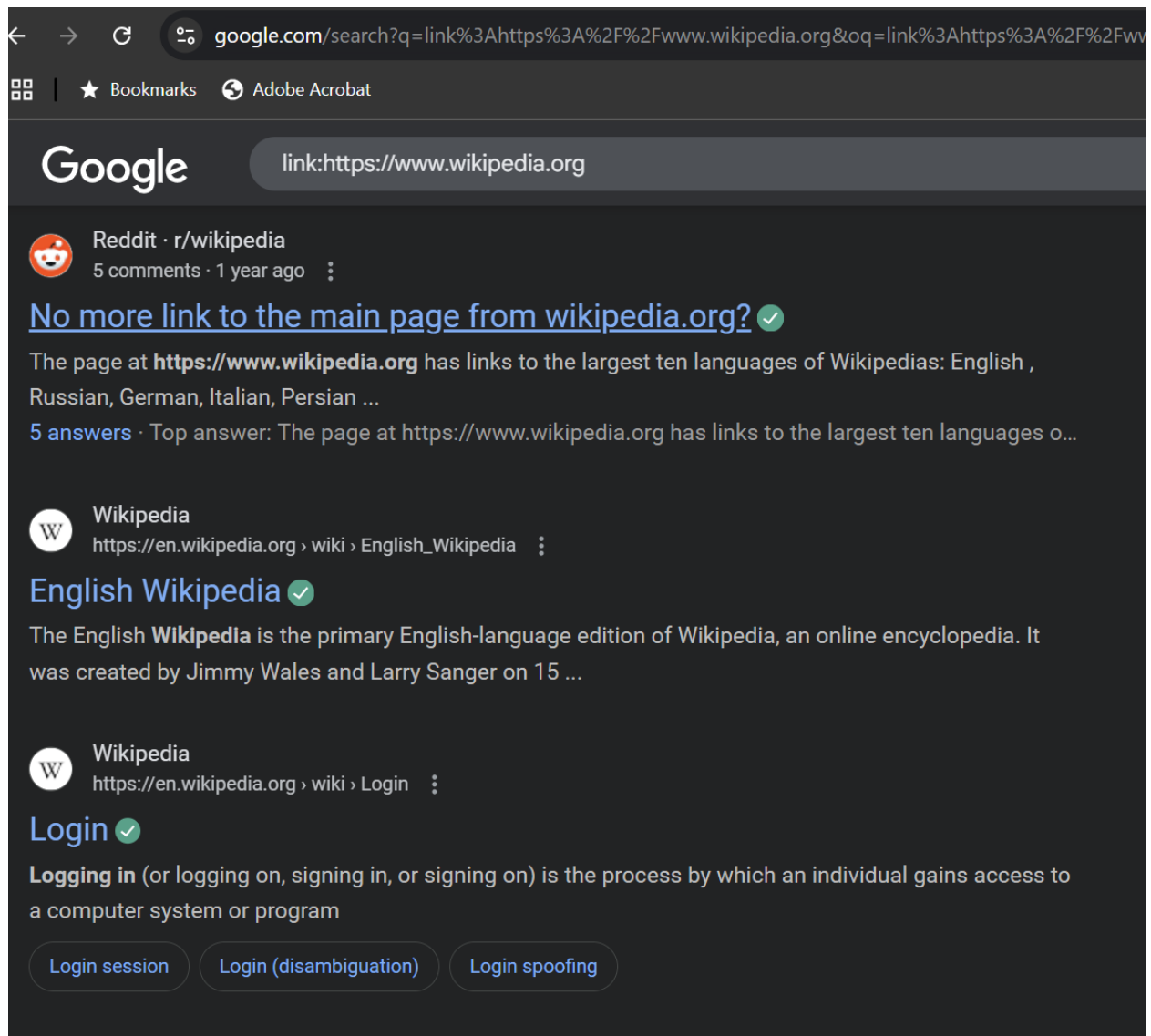
**Objective:** To find other sites that link to the target and could offer additional insights or entry points

1. Ensure the search bar is empty.
2. Type the following command in the search bar:

	1. 1
1. link:https://www.wikipedia.org	
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3. Press **Enter**.
4. Review the list of web pages that contain links to **Wikipedia**.

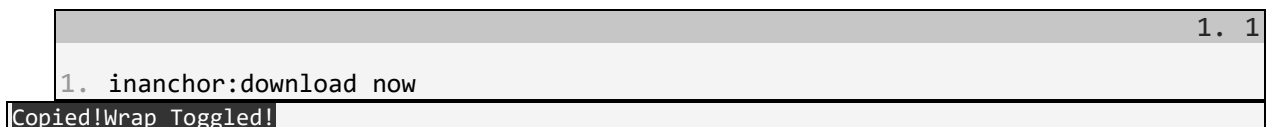
**What to look for:** External sites linking to the target; these might provide additional information or be potential points of compromise.



## Task 5: Exploring anchor text

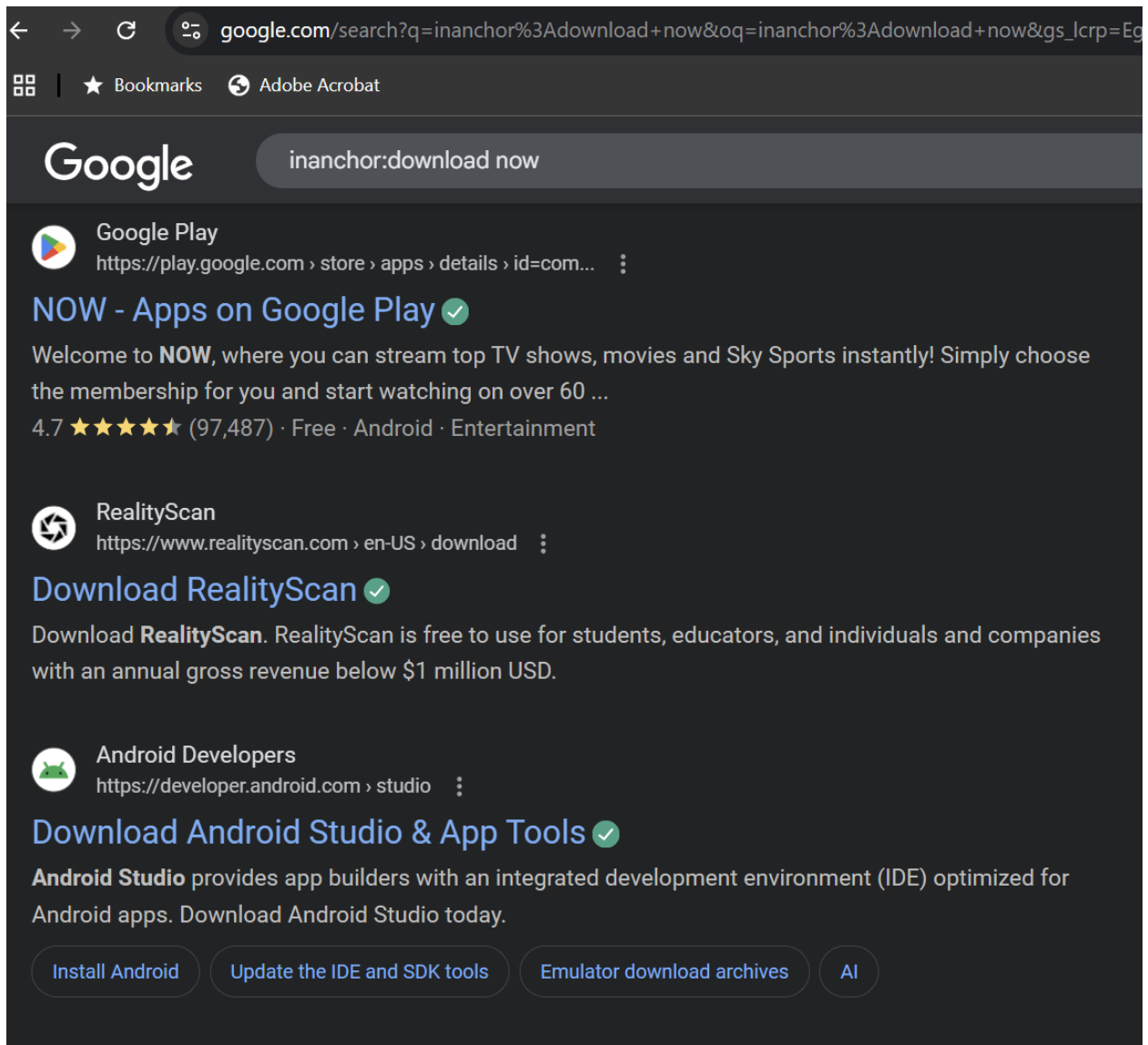
**Objective:** To find pages that use specific anchor texts, which might lead to sensitive or interesting information.

1. Ensure the search bar is empty.
2. Type the following command in the search bar:



3. Press **Enter**.
4. Review the web pages with links containing **Download now** as the anchor text.

**What to look for:** Links with specific anchor texts that might lead to downloadable content or resources.



## Task 6: Using wildcards

**Objective:** To capture pages with various terms that might reveal varied information.

1. Ensure the search bar is empty.
2. Type the following command in the search bar:

```
1. data * analysis
```

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3. Press **Enter**.
4. Review the searches that capture different terms between **data** and **analysis**.

**What to look for:** Analyze the various terms and contexts between "data" and "analysis" to identify relevant content.

← → ↻ google.com/search?q=data+\*+analysis&oq=data+\*+analysis&gs\_lcrp=EgZjaHJvbWUyCQgAEEUY


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Google data \* analysis

 Grow with Google  
https://grow.google › Grow with Google › certificates


### Data Analytics Certificate & Training

A professional data analytics certificate from Google can help you gain in-demand skills. You'll learn R programming, SQL, Python, and Tableau.

 CareerFoundry  
https://careerfoundry.com › blog › what-is-data-analytics


### What is Data Analytics? A Complete Guide for Beginners

Nov 17, 2023 — **Data analytics** is the process of analyzing raw data in order to draw out meaningful, actionable insights, which are then used to inform and drive smart ...

 Atlan  
https://atlan.com › data-analysis-methods

### Data Analysis Methods: 7 Essential Techniques for 2025

Dec 23, 2024 — **Data analysis methods** are specific procedures that transform raw data into valuable insights. Each method is suitable for different types of problems and data ...

 Coursera  
https://www.coursera.org › ... › Data › Data Analytics

### What Does a Data Analyst Do? Your 2025 Career Guide

Jun 13, 2025 — A data analyst **gathers, cleans, and studies data sets** to help solve problems. Here's how

## Task 7: Excluding terms

**Objective:** To find relevant information while excluding typical, irrelevant results.

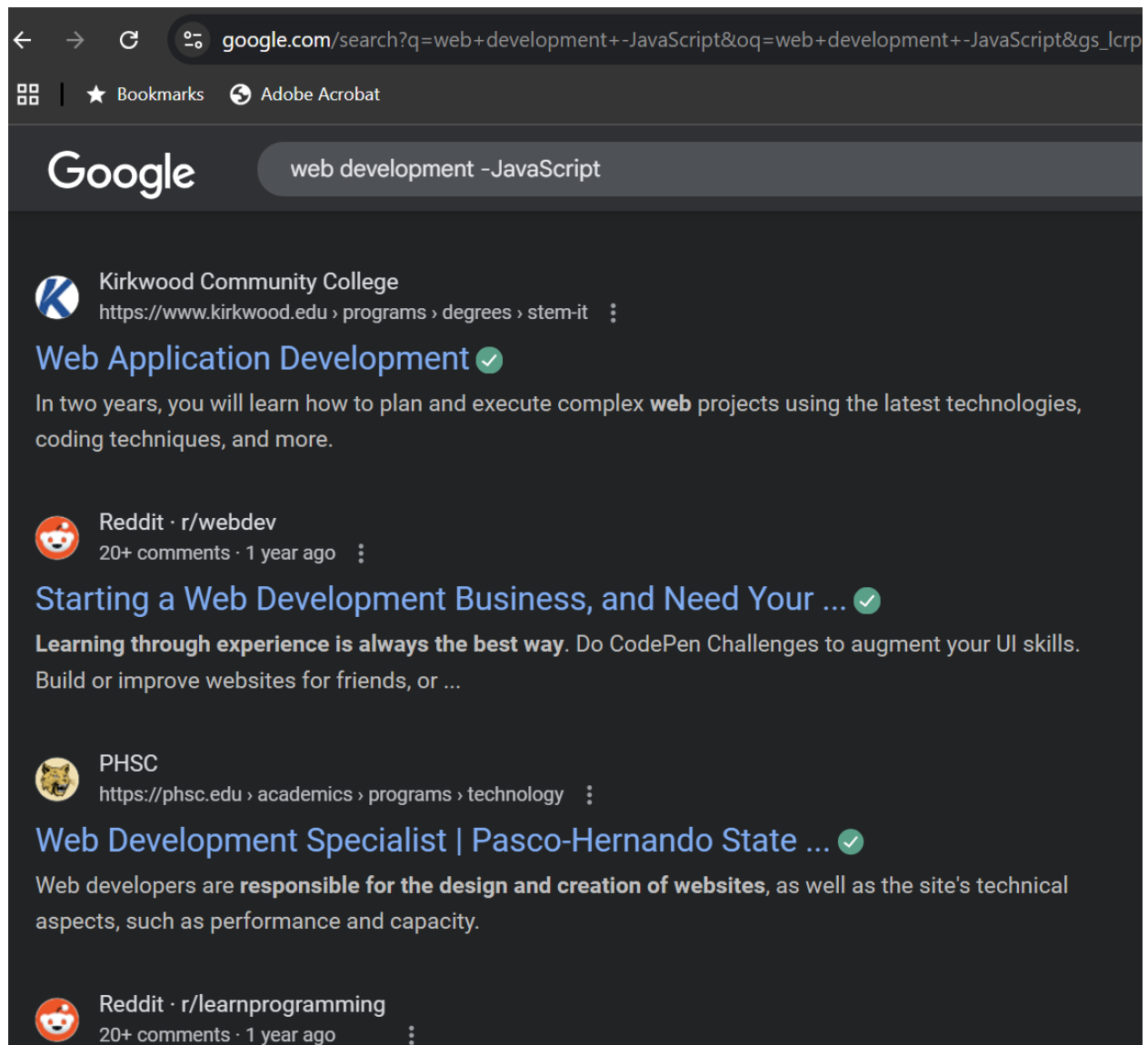
1. Ensure the search bar is empty.
2. Type the following command in the search bar:

1. web development -JavaScript	1. 1
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3. Press **Enter**.
4. Review the articles on web development that do not include the term **JavaScript**.

**What to look for:** Identify web development content that excludes "JavaScript," which might reveal alternative technologies or practices.



## Summary

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In this lab, you learned:

- How to apply Google Dorking commands in a pen-testing scenario
- The role of various Google Dorking commands in gathering critical information