

Footprinting and Reconnaissance Experiment: Using Google for Company Information

Priyanshu Kumar Sharma, 2022-B-17102004A, B.Tech CTIS, SEM-VI/B

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1 Objective

To gather publicly available information about a company using Google search techniques.

2 Steps to Perform the Experiment

2.1 Step 1: Define Your Target Company

- Choose a company you want to investigate.
- Make sure your search is legal and ethical, following all privacy guidelines.

2.2 Step 2: Perform Basic Google Searches

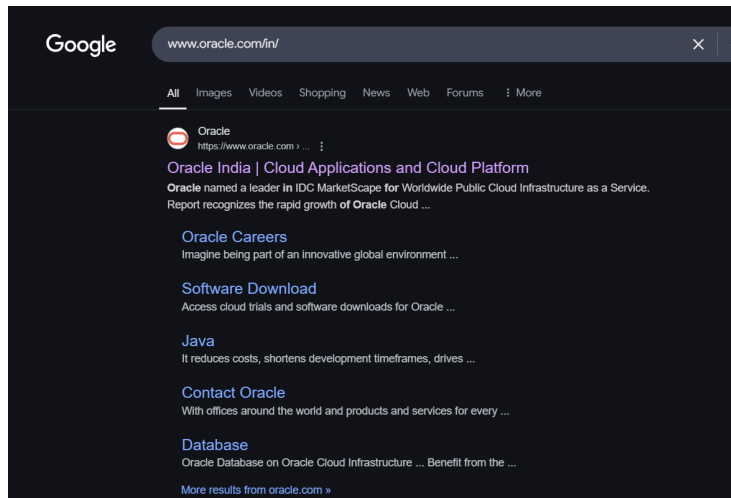
Command:

```
www.oracle.com/in/
```

BAT Script:

```
@echo off  
start https://www.google.com/search?q=www.oracle.com/  
in/
```

Description: This searches for general information about www.oracle.com/in/.



2.3 Step 3: Use Advanced Google Search Operators

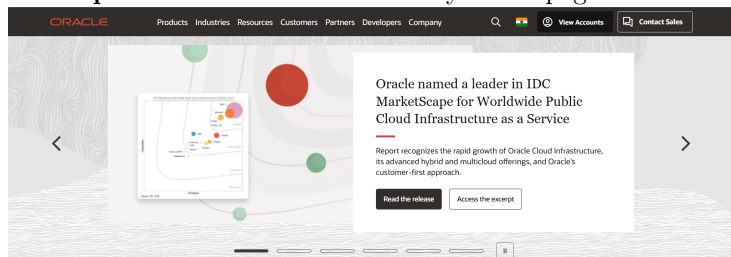
Find the company's official website:

```
site:www.oracle.com/in/
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=site:www.oracle.com/in/
```

Description: Filters results to only show pages from the official website.



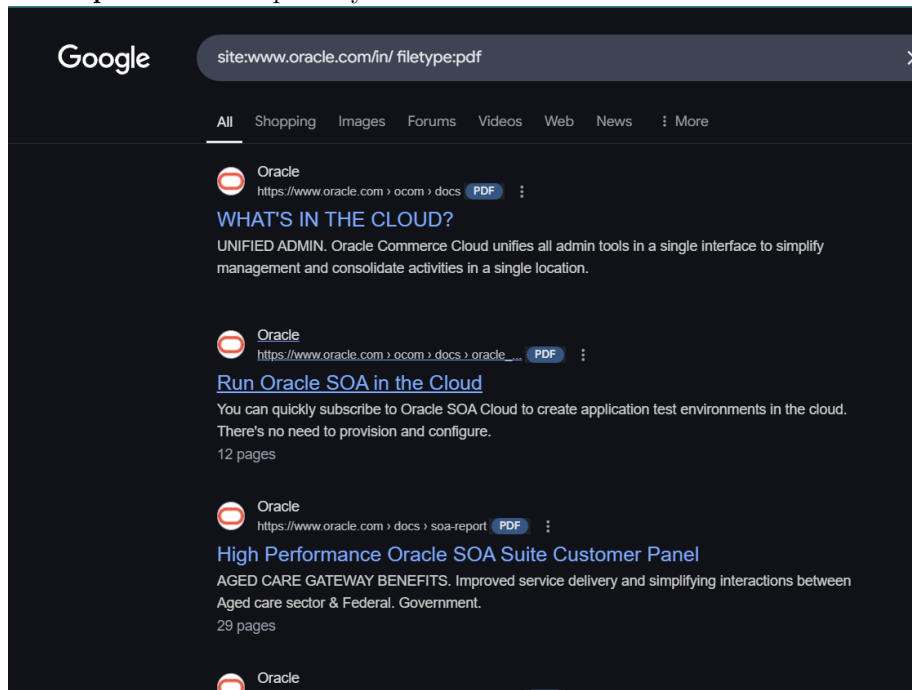
Find specific file types (e.g., PDFs, Docs, XLSX):

```
site:www.oracle.com/in/ filetype:pdf
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=site:www.oracle.com/in/+filetype:pdf
```

Description: Finds publicly available PDF files from the official website.

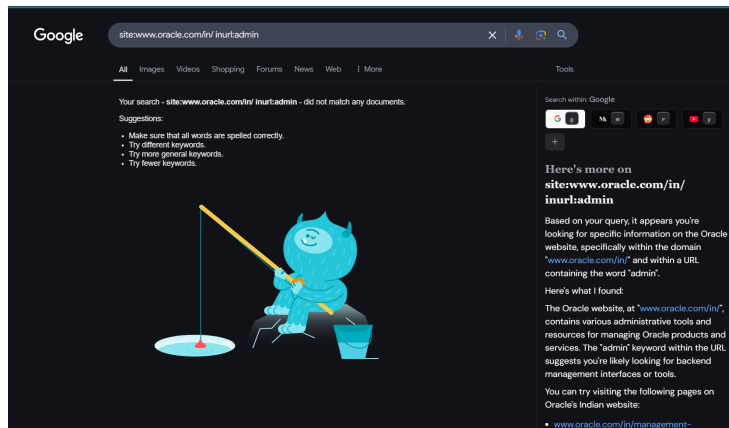


Find sensitive directories or subdomains:

```
site:www.oracle.com/in/ inurl:admin
site:www.oracle.com/in/ inurl:login
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=site:www.oracle.
com/in/+inurl:admin
start https://www.google.com/search?q=site:www.oracle.
com/in/+inurl:login
```

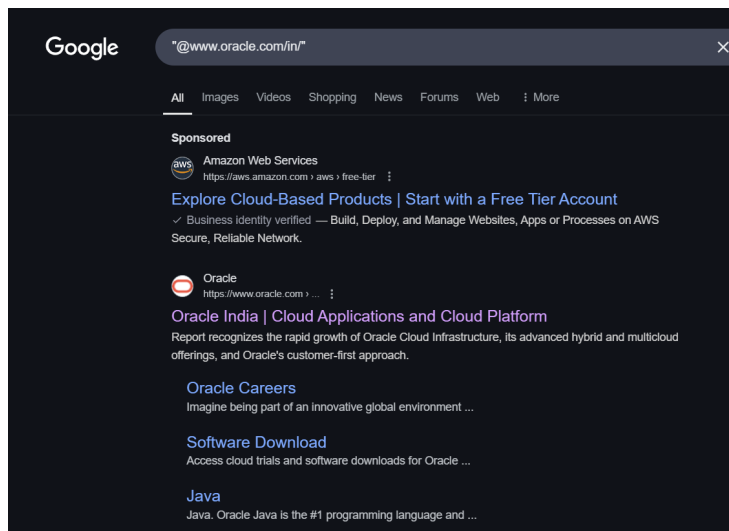


Description: Helps discover administrative and login pages.
Discover employee names and emails:

```
"@www.oracle.com/in/"
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=%22@www.oracle.com/in/%22
```



Description: Searches for publicly listed emails associated with the company.

3 Google Dorking for Social Media

3.1 Gather Social Media Information

Find social media presence:

```
www.oracle.com/in/ site:linkedin.com
www.oracle.com/in/ site:twitter.com
www.oracle.com/in/ site:facebook.com
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=www.oracle.com/
in/+site:linkedin.com
start https://www.google.com/search?q=www.oracle.com/
in/+site:twitter.com
start https://www.google.com/search?q=www.oracle.com/
in/+site:facebook.com
```

includegraphics[width=0.8]social_media.png

Description: *Helps locate the company's social media accounts.*

3.2 Use Google Dorking for Deeper Insights

Find internal documents:

```
site:www.oracle.com/in/ confidential
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=site:www.oracle.
com/in/+confidential
```

Description: Searches for confidential documents. confidential_docs.png

Find exposed directories:

```
intitle:"index of" "parent directory" site:www.oracle.
com/in/
```

BAT Script:

```
@echo off
start https://www.google.com/search?q=intitle:%22index
+of%22+%22parent+directory%22+site:www.oracle.com/
in/
```

Description: Identifies open directory listings. open_dirs.png

Find possible vulnerabilities:

```
site:www.oracle.com/in/ "Error 404" OR "SQL syntax error"
```

BAT Script:

```
@echo off  
start https://www.google.com/search?q=site:www.oracle.com/in/+%22Error+404%22+OR+%22SQL+syntax+error%22
```

Description: Checks for errors that might indicate security vulnerabilities. [vulnerabilities.png](#)

3.3 Summarize Findings

- Company address, contact details
- Publicly available documents (PDFs, reports, whitepapers)
- Employee names and job roles
- Possible security vulnerabilities (if any)

4 Precautions & Ethical Considerations

- Only use publicly available data.
- Do not attempt to bypass security measures.
- Do not engage in illegal activities (hacking, phishing, etc.).
- Respect privacy and data protection laws.