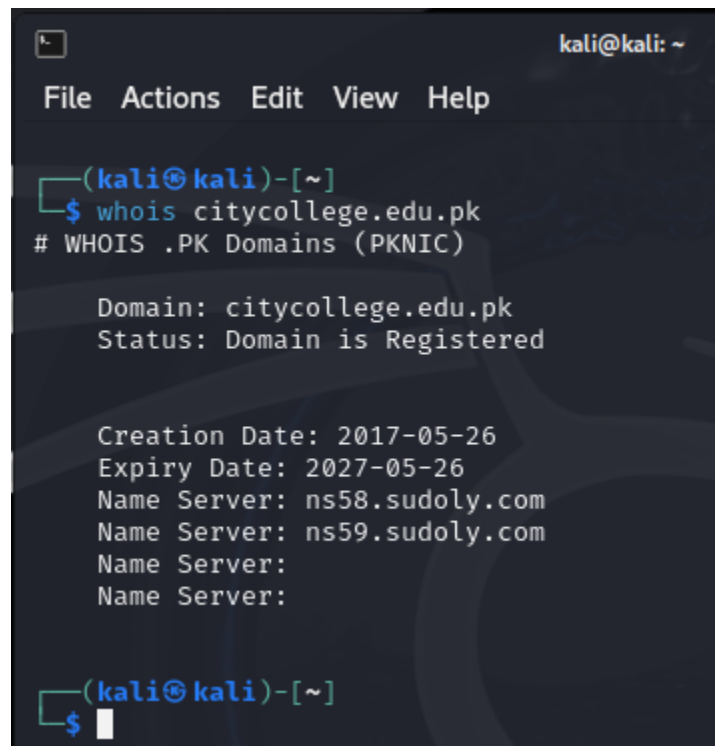# Email and Domain Information Gathering

Information Gathering is the process of collecting essential data about the target domain or network. Information can be of various types, like subdomains of the target domain, DNS Information, Port Information, etc.
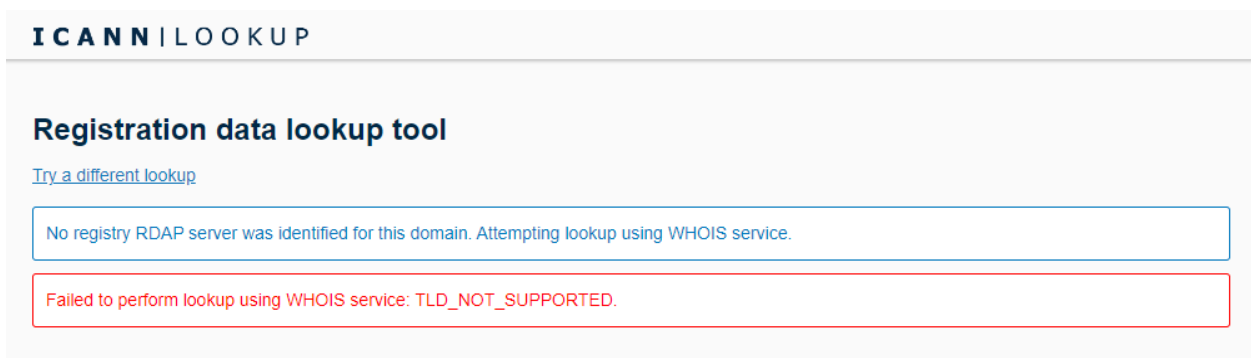
Example:

1. **WHOIS Lookup:**
   <u>By using Commands:</u>

By Using Website:

DNS Records Analysis:

Cmd: dig citycollege.edu.pk MX

Cmd: nslookup -type=TXT Citycollege.edu.pk

Website: MXToolbox.com

Email Address Search:

Cmd: theHarvester -d citycollege.edu.pk -b google

Website: Hunter.io
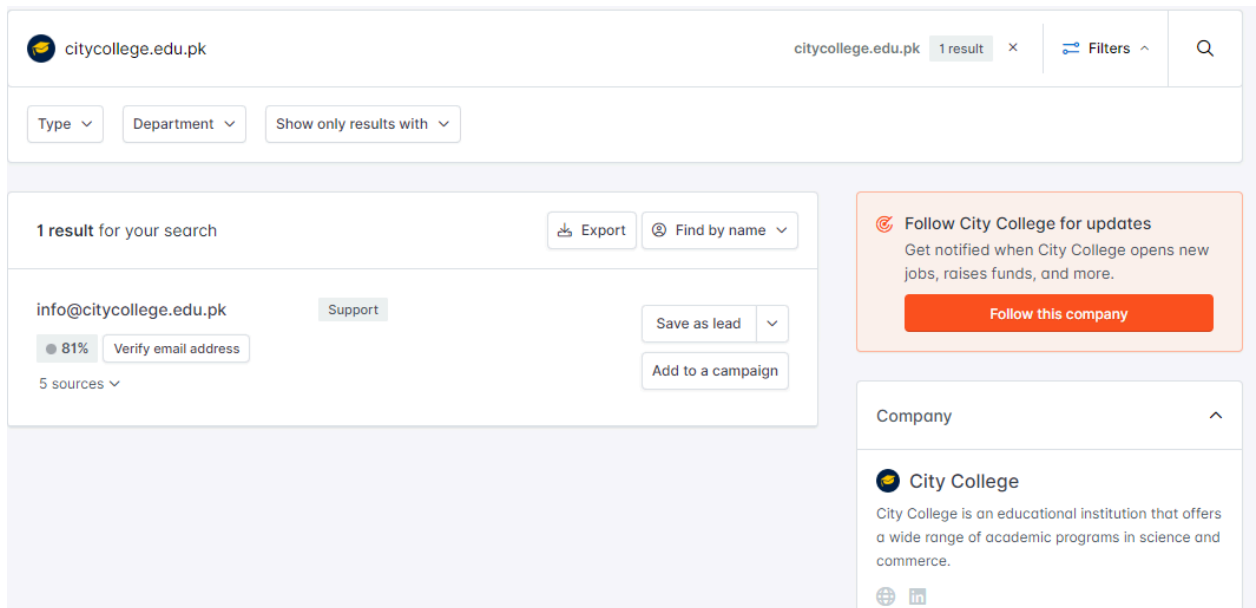
Metadata Analysis:

Metadata analysis can be a useful tool in ethical hacking because it can help investigators understand what happened during a cyberattack. Metadata is data that describes other data, such as comments, timestamps, and file paths. It can be found in many digital artifacts, including files, emails, databases, and other proprietary data sets.

Document Metadata Extraction:
Tools/Websites:

exiftool pass.txt

Online Metadata Analysis

Website: Get-Metadata2.go.com

	fiverr.json

image_width	1361
image_height	711
bit_depth	8
color_type	RGB with Alpha
compression	Deflate/Inflate
filter	Adaptive
interlace	Noninterlaced
srgb_rendering	Perceptual
gamma	2.2
pixels_per_unit_x	3779
pixels_per_unit_y	3779
pixel_units	meters
image_size	1361x711
megapixels	0.968
category	image

raw_header	89 50 4E 47 0D 0A 1A 0A 00 00 00 0D 49 48 44 52 00 00 05 51 00 00 02 C7 08 06 00 00 00 87 78 02 03 00 00 00 01 73 52 47 42 00 AE CE 1C E9 00 00 00 04 67 41 4D 41 00 00 B1 8F 0B FC 61 05 00 00 00 09 70 48 59 73 00 00 0E C3 00 00 0E C3 01 C7 6F A8 64 00 00 F4 E3 49 44 41 54 78 5E EC DD 0B 7C 15 E5 9D FF 71 FF DD ED BF F7 FB 75 2F B6 DD DE EF 17 DB DD 6D BB ED AE B6 2B F4 2F 6E 0B B8