

# Walkthrough Before You Runthrough

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Searchlight-IMINT CTF Challenge

**Team Bloodhounds**

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# Task #1 - Welcome to the Searchlight IMINT room!

***Answer the questions below***

Did you understand the flag format?

This task is designed to make sure you are reading the prompts for details. It requires you to extract information from the prompt given in order to determine the flag format. Reading the information tells you that the flags will always be in the format of sl{your answer}

# Task #2 - Your first challenge!

***Answer the questions below***

What is the name of the street where this image was taken?

In task number 2 we learn 5 elements of IMINT(Imagery Intelligence)

-Context -Foreground -Background -Map  
Markings -Trial and error

Using the aforementioned techniques- we can immediately see by observing 'context' and 'foreground' in the image, we can see the sign "carnaby street".

Using quick google reverse imaging we can see that the name of the street is "Carnaby street" and it was taken in London, England.



# Task #3 - Just Google It

In Task #3 we were introduced into 'Google Dorking' which essentially the art of using google search queries to have google return specific types of data. In Task 3 we are asked to answer the questions below by doing some basic googling to find the location of the image with the help of any clues we can find in the picture.

## ***Answer the questions below***

Which city is the tube station located in?

Which tube station do these stairs lead to?

Which year did this station open?

How many platforms are there in this station?

Based on the visible information in the picture, we searched for circus station underground subway...



## Task #3 - Just Google It Cont.

The Piccadilly Circus Station was the first thing to pop up. We wanted to verify if the tube station from the suggested place matched up with our image, and it did. We were then able to verify that the tube station was located in London, England, and that the stairs led to the Piccadilly circus. From a simple wikipedia search of the Piccadilly Circus Tube Station, we discovered that the station opened in 1906, and has 4 platforms.

The image shows a Google search results page for "circus street underground public sub". The top result is a link to "Results for Utah Park, Aurora · Choose area". Below it is a detailed card for "Piccadilly Circus". The card includes a thumbnail image of the station entrance, a rating of 4.5 stars (1.9K reviews), and a summary that it's a "Subway station in London, England". Buttons for "Overview", "Photos", "Reviews", and "About" are visible. To the right of the card are icons for "DIRECTIONS", "SHARE", "SAVE", and "WEBSITE". Below the card is a map showing the location of Piccadilly Circus in Central London, with a pin pointing to "Piccadilly Circus, London W1J 9HP, United Kingdom". A section titled "Location of Piccadilly Circus in Central London" lists details such as "Location: Piccadilly Circus", "Local authority: City of Westminster", "Managed by: London Underground", "Number of platforms: 4" (circled in green), "Fare zone: 1", and "London Underground annual entry and exit" statistics for 2017-2021. The "Number of platforms" and the date "10 March 1906" (circled in green) are highlighted. At the bottom, there are two photographs of the Piccadilly Circus Underground station entrance, showing the iconic red circle "UNDERGROUND" sign and the surrounding city street.

# Task #4 - Keep at it!

***Answer the questions below***

Which building is this photo taken in?

Which country is this building located in?

Which city is this building located in?



The exercise is designed to learn to search for clues within the picture. The sign at the top of the picture shows YVR.ca. Google that to figure out where the image is taken. Once you figure out that it is Vancouver International Airport you can Google to figure out the rest of the requested information.

# Task #4 - Keep at it! Cont.

Welcome to  
VANCOUVER  
INTERNATIONAL  
AIRPORT

Arrivals Departures

Filter by flight number, airline, or city...

View all arrivals >

## Book Parking

Start Date  Time  End Date  Time  BCAA (Optional)  Promo (Optional)   
GET QUOTE

\*BCAA rate only applies to stays up to 27 days

Air Canada Maple Leaf Lounge - Domestic  
Vancouver International Airport

See photos

Website Directions Save Call

4.2 ★★★★ 12,954 Google reviews

International airport in Richmond, British Columbia

Sponsored

booking.com

Booking.com - Hotels Nearby  
Hotels near Vancouver International Airport  
Book Now - booking.com

Vancouver International Airport is an international airport located on Sea Island in Richmond, British Columbia, serving the city of Vancouver and the Lower Mainland region. It is located 12 km from Downtown Vancouver. [Wikipedia](#)

**Address:** 3211 Grant McConachie Way, Richmond, BC V7B 0A4, Canada

**Phone:** +1 604-207-7077

**Code:** YVR

**Hub for:** Air Canada, WestJet, Air Transat, Pacific Coastal Airlines, MORE

**Elevation:** 13.12'

**Province:** British Columbia

**Serves:** Metro Vancouver

**WMO Code:** 71892

[Suggest an edit · Own this business?](#)

# Task #5 - Coffee and a light lunch

***Answer the questions below***

Which city is the coffee shop located in?

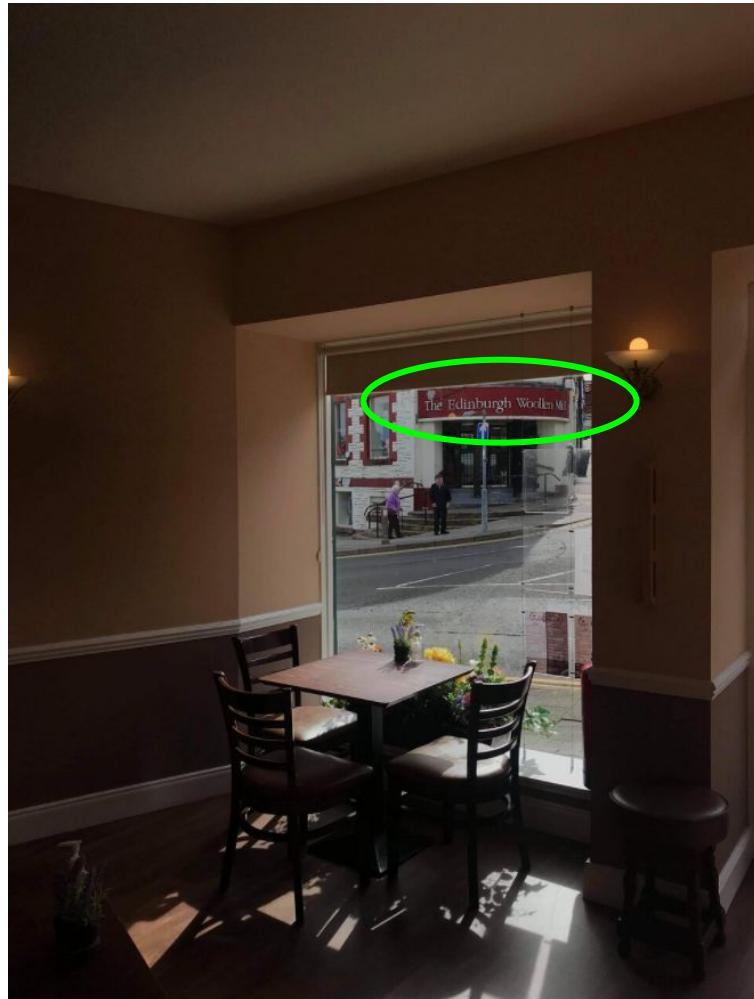
Which street is this coffee shop located in?

What is their phone number?

What is their email address?

What is the surname of the owners?

Our team employed several techniques to gather the information on this slide. We first used context to identify the name of the building displayed in the window, and narrowed down the location to Scotland. This image shows the storefront of the EWM Outlet on Wellmeadow, Blairgowrie. Utilizing street view, we found "The Wee Coffee Shop" just across from the building. From the coffee shop's website, we were directed to their Facebook page, which contained most of the information we needed. The most challenging part was discovering the surname. Eventually, we decided to search for the owners' surname, and upon typing it in, we found that the surname is Cochrane.





the wee coffee shop

Maps Images Menu Owners Blairgowrie

## The Wee Coffee Shop

4.6 ★★★★ (219) Coffee shop · Closed

Overview Menu Reviews Photos About

CALL DIRECTIONS SHARE WEBSITE

Dine-in · Curbside pickup · No delivery

1 Allan St, Blairgowrie PH10 6AB, United Kingdom

Closed · Opens 9 AM

+44 7878 839128

Facebook https://m.facebook.com/weecoffee...

**The Wee Coffee Shop | Blairgowrie**

The Wee Coffee Shop, Blairgowrie, Perth And Kinross, United Kingdom. 4427 likes · 58 talking about this · 1050 were here. Family run coffee shop, in...

4.9 ★★★★ (138)

← The Wee Coffee Shop Message Us

## The Wee Coffee Shop

4.4K likes · 4.6K followers

Family run coffee shop, in the centre of bustling East Perthshire town of Blairgowrie. We are dog fr

WhatsApp CALL DIRECTIONS SHARE WEBSITE

Posts About Photos Videos Mentions

**Details**

- Page** · Breakfast & Brunch Restaurant
- 1 Allan Street, Blairgowrie, United Kingdom
- +44 7878 839128
- theweecooffeshop@aol.com
- Price Range · \$
- Rating · 4.9 (219 Reviews)

**Page transparency**

Facebook is showing information to help you understand the purpose of this Page.

Created - The Wee Coffee Shop

owners of the wee coffee shop in blairgowrie

Maps Reviews Menu Address Images Video

## The Wee Coffee Shop

4.6 ★★★★ (219) Coffee shop · Closed

Overview Menu Reviews Photos About

Dine-in · Curbside pickup · No delivery

1 Allan St, Blairgowrie PH10 6AB, United Kingdom

Closed · Opens 9 AM

+44 7878 839128

barba.org.uk https://www.barba.org.uk · the-wee...

**The Wee Coffee Shop - Blairgowrie & Rattray Business Association**

Apr 26, 2021 — Address: · Debbie and David Cochrane. Owner/Manager: Debbie and David Cochrane · Opening Times: Tuesday to Saturday: 9am until 4pm ...

The photos above illustrate how our team used street view to identify the business seen from the window of the coffee shop and subsequently located "the wee coffee shop."

This photo demonstrates how we utilized Google to discover the business website and obtain more information.

This photo displays the business's Facebook page, where we found the street address, telephone number, and email address of the establishment.

This image illustrates the steps we took to discover the surname of the business owners.

# Task #6 - Reverse your thinking!!!

***Answer the questions below***

Which restaurant was this picture taken at?

What is the name of the Bon Appétit editor that worked 24 hours at this restaurant?



From matching the visual using Google reverse imaging we were able match searches to find Katz's Delicatessen.

In this search we are able to find the website: [katzsdelicatessen.com](http://katzsdelicatessen.com) and the address 205 East Houston St. New York City, 10002.

Once we find the deli we can look up the Bon Appetit editor that worked at Katz's deli on YouTube and it will bring up Andrew Knowlton

# Task #6 - Reverse your thinking!!! Cont.

Reverse  
search photo  
information!!!

The screenshot shows a Google Lens interface on a computer screen. A green oval highlights the search result for "Katz's Delicatessen". The result includes a 4.5-star rating from 33,427 reviews, and it is categorized as a Deli with a price range of \$\$.

**Katz's Delicatessen**  
4.5 ★★★★★ (33,427)  
Deli • \$\$

Visual matches

Did you find these results useful? Yes No

# Task #7 - Locate this sculpture

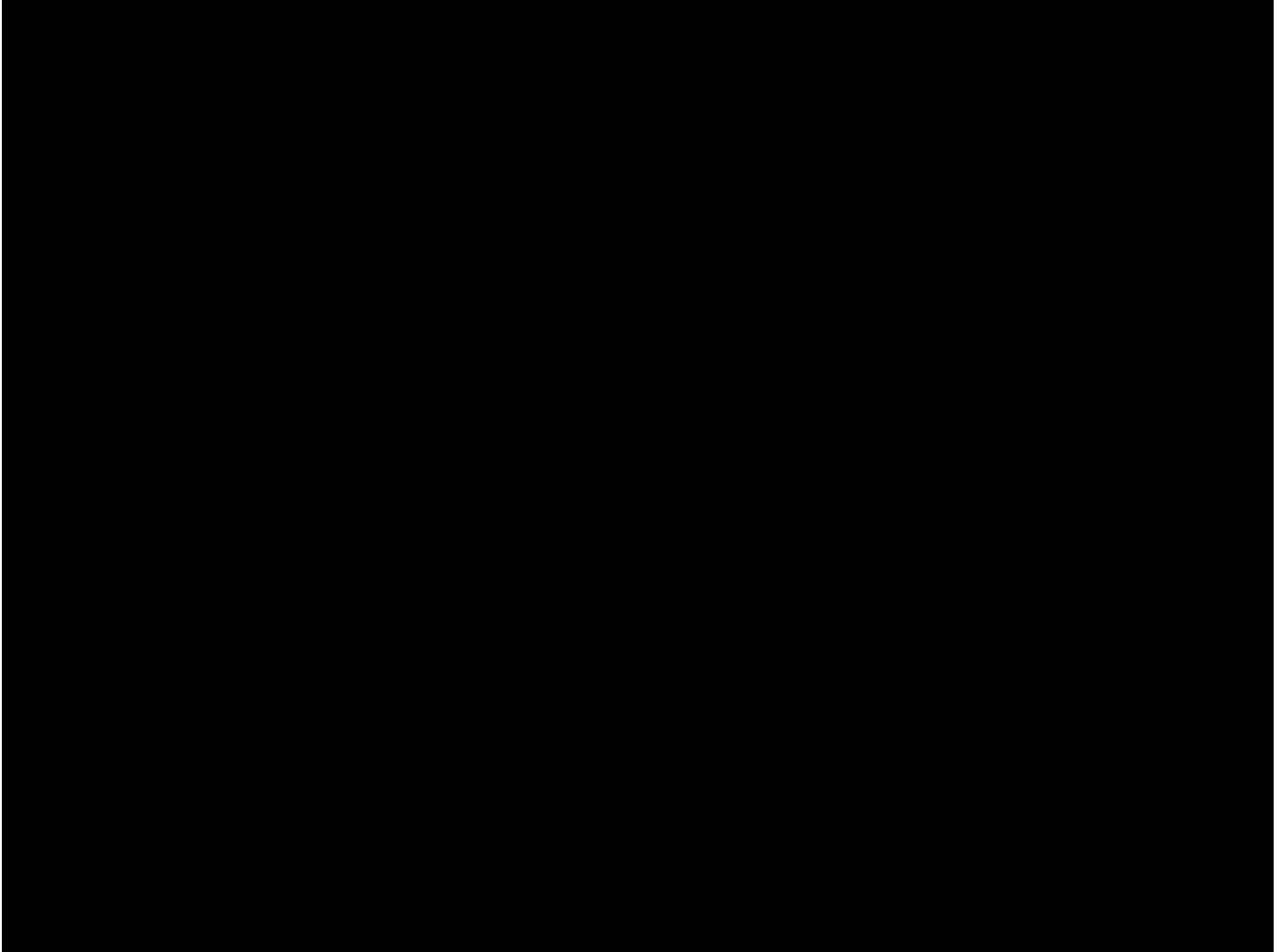


***Answer the questions below***

- What is the name of this statue?
- Who took this image?

Our team used 2 different techniques to figure out what the name of the statue was. Reverse image search was used as well as a simple Google search for "motorcycle reindeer statue." Both techniques returned that the statue was the "Chrome nosed reindeer statue" in Oslo, Norway. Once you know where the statue is then you can look for statues in Oslo through the [visitoslo.com](http://visitoslo.com) website which gives the information about the image.

Who took this image?



# Task #8 ...and justice for all



*Answer the questions below*

What is the name of the character that the statue depicts?

Where is the statue located?

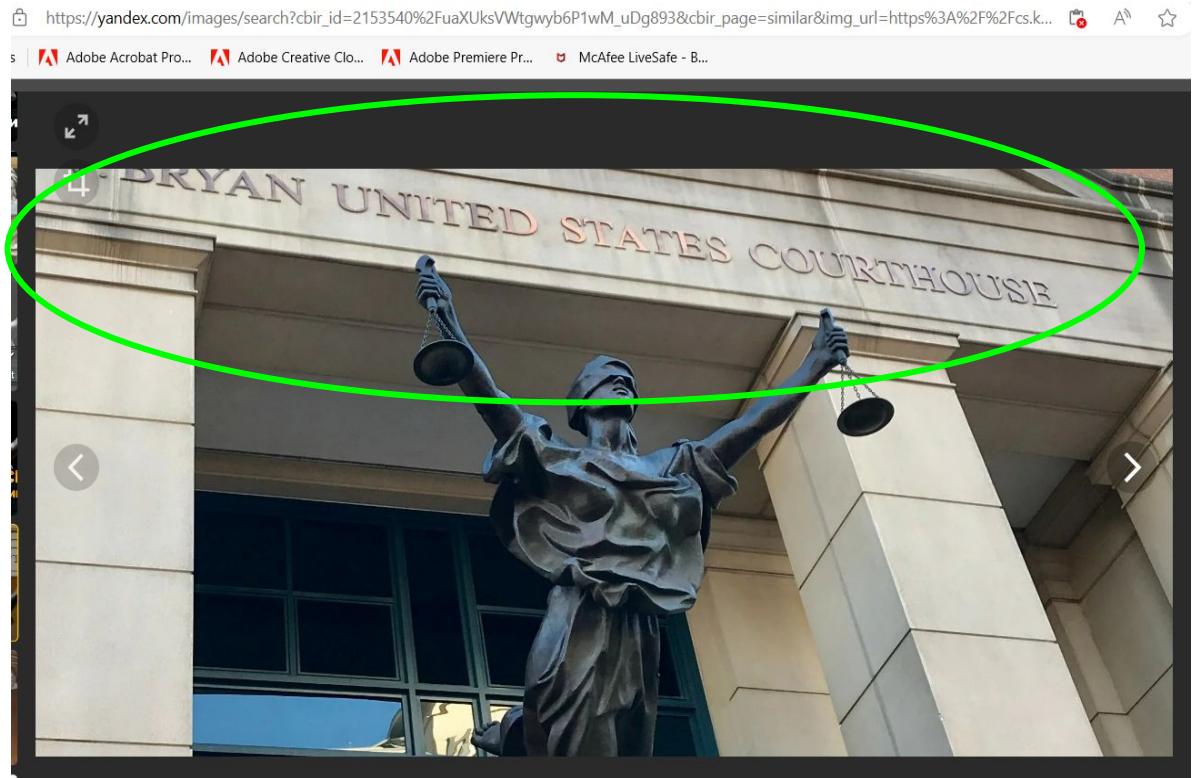
What is the name of the building opposite from the statue?

We performed a reverse image search on the picture and quickly identified the statue as Lady Justice. Next, we continued exploring the search results until we located an image that displayed the words on the building behind the statue. With this information, we determined the city and state where the statue is located. Using Google once more, we accessed the street view of the area and successfully found the Westin Alexandria old town situated across from the statue.

## Task #8 ...and justice for all cont.

In order to locate the picture necessary to identify where the building was located, we had to search on yandex.com, a russian search site.

Where is is plain to see the partial name of he building in the background.



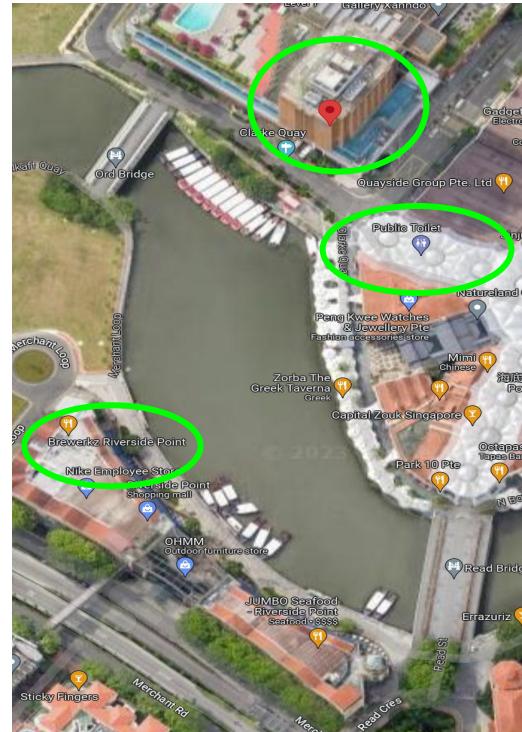
# Task #9 - The view from my hotel room

***Answer the questions below***

What is the name of the hotel that my friend stayed  
in a few years ago?



# Novotel Singapore Clarke Quay



In this exercise using geolocating videos we learned that videos hold more images that can be contextualized to find a location. Looking at stills above from the video we are able to pinpoint the geographical location of the hotel.

## Tools we used:

- Google search
- Google Reverse image search
- Google Maps
- Google Street View
- Yandex.com Reverse image search

Thx :)

