

## EXPERIMENT-10

### Aim:

How to Extract Exchangeable image file format (EXIF) Data from Image Files using Exifreader Software.

Here is the procedure and result summary for Experiment 10 (Extraction of EXIF Data from Image Files):

### Procedure:

1. **Download ExifReader:**
  - Obtain ExifReader (ExifRead.exe), a tool designed to read image metadata.
2. **Open ExifReader:**
  - Launch the ExifReader application on your Windows system.
3. **Load Image:**
  - Click on the "Open" button.
  - Browse and select a JPEG/JPG image file to analyze.
4. **View EXIF Metadata:**
  - The tool displays a thumbnail of the image.
  - View detailed EXIF metadata including:
    - Camera make and model
    - Date and time the photo was taken
    - Exposure settings (shutter speed, aperture, ISO)
    - GPS location coordinates (if available)
    - Image editing software details
5. **Save or Note Findings:**
  - Record notable metadata details for forensic analysis.



**Result:**

- The EXIF data was successfully extracted and displayed.
- Important information such as the image capture time, camera details, and GPS location (if embedded) was retrieved.
- The data provides valuable forensic evidence about the origin and editing history of the image file.