**Task 1: Image Overlay Project**

**Objective:**  
Create a Python program that overlays images of filters onto a human face image. This will help you learn about image manipulation using the OpenCV library.

**Requirements:**

1. **Install Required Libraries:**
   * You need to install OpenCV and NumPy. You can do this using the following command:

**pip install opencv-python numpy**

1. **Image Preparation:**
   * Find or create the following images:
     + A human face image // it could be your image
     + A filter image with a transparent background
2. **Overlay Functionality:**
   * Write a function that:
     + Takes a background image (human face) and an overlay image.
     + Places the overlay image at specified coordinates (x, y) on the background.
     + Handles transparency so the overlay blends naturally into the background.
3. **Resizing Images:**
   * Allow your program to resize the overlay images to fit well on the human face.
4. **Display and Save Results:**
   * Use OpenCV to display the final images with the overlays.
   * Save the resulting images with appropriate filenames.

**Steps to Complete the Task:**

1. **Setup Your Project:**
   * Create a new Python file.
   * Import the necessary libraries.
2. **Load Images:**
   * Load the human face and filters images using OpenCV.
3. **Implement the Overlay Function:**
   * Write a function that combines the overlay image onto the background image while considering transparency.
4. **Testing:**
   * Test your function by overlaying the dog and cat faces onto the human face at different positions.
5. **Final Touches:**
   * Add comments to your code for clarity.
   * Make sure to handle any potential errors.
6. **Submit Your Work:**
   * Share your completed Python file and the resulting images.

**Learning Outcomes:**

* Understand basic image processing concepts.
* Learn how to manipulate images using Python.
* Gain experience with libraries like OpenCV and NumPy.