Assignment 01
Computer Vision

Maximum point: 5 marks

This assignment will be in the form of a python code. You can use OpenCV for implementation of these tasks. You can also use Googlecolab for this assignment. In this assignment, you will do the following task. Tasks to be performed:

1. Upload 10 images to OpenCV (put the images in the folder Database). You can use face images of 10 different people.
2. Use any pre-processing method of your choice. Write three lines about the method you are using in the Python code as comments.
3. Extract one feature from the images. Use feature of your choice. Write a maximum of five lines for the features you are using.
4. Create a simple matrix with 10 labels. Your training data will be two matrices (Matrix A and Matrix B). Matrix A will contain feature vector and matrix B labels. Print both matrices in Python.