

## Quiz – 1

All of you please take a selfie and write code to perform the tasks against your name below. Submit code and display screen by this Friday, 03 April 2020.

### **Waqar Ahmad**

Convert your image to grey scale, crop and display your fore face.

### **Muhammad Awais Amin**

Enhance brightness of your fore face. Pixel values other than fore face should nearly be the same. Display the results.

### **Muhammad Arif Arshad**

Convert your image to grey scale and perform histogram equalization. Display difference between the original grey scale and histogram equalized images.

### **Bakhtawar Aslam**

Display histogram of the original image and its histogram equalized image.

### **Asiya Batool**

Enhance and display your image such that the sharpness and contrast should have increased.

### **Rai Muhammad Danish**

Convert your image to grey scale, find its gradient image, then add both the grey and gradient images and display the resultant image. You may have to scale the resultant image in the range 0 – 255.

### **Fatima Jaffar**

Scale your image to 100 x 100 pixels, replace right top corner of the original image with this and display the resultant image.

### **Huma Nawaz**

Convolve your image with the filters: mean, median, and Gaussian. Display original and the resultant three images in a single window.

### **Suleman Qamar**

Add some random noise to your image and then try mean, median, and Gaussian filters to remove it. Display original and the resultant three images in a single window.

### **Mahrugh Saif**

Add some random noise to your image and then find a filter that best suits to remove it. Display original and the resultant image in a single window.