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Unidad Profesional **Interdisciplinaria en**
Ingeniería y Tecnologías Avanzadas **☆**
Multimedia

PRACTICA 4



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```
[4] ✓ 2s
    file = open('./images/volcan.bmp','rb')
    fileo = open('./images/volcanbin.bmp','wb')
    metadata = file.read(54)
    fileo.write(metadata)
    blanco = [0xff,0xff,0xff]
    negro = [0x00,0x00,0x00]

    file.seek(54,0)
    no_pix = 0
    limite = (pow(2, 24)-1)/2
    while(True):
        pixel_data = file.read(3)
        if(len(pixel_data) > 0):
            valor_int = int.from_bytes(bytes(pixel_data),byteorder='little')
            if(valor_int<limite):
                fileo.write(bytes(blanco))
            else:
                fileo.write(bytes(negro))
            no_pix += 1
        else:
            break
    print('No Pixels: '+str(no_pix))
    file.close()
    fileo.close()
```

