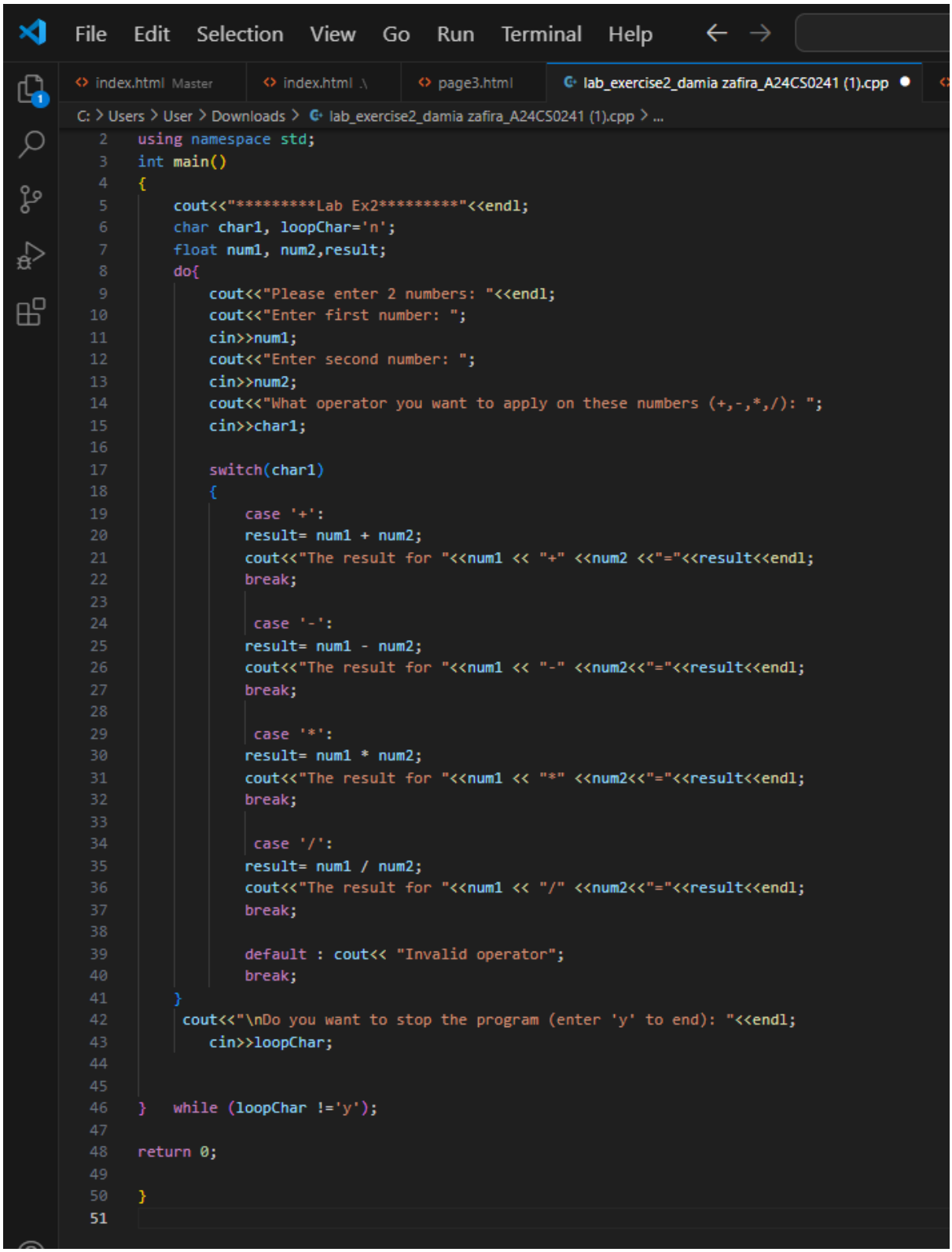
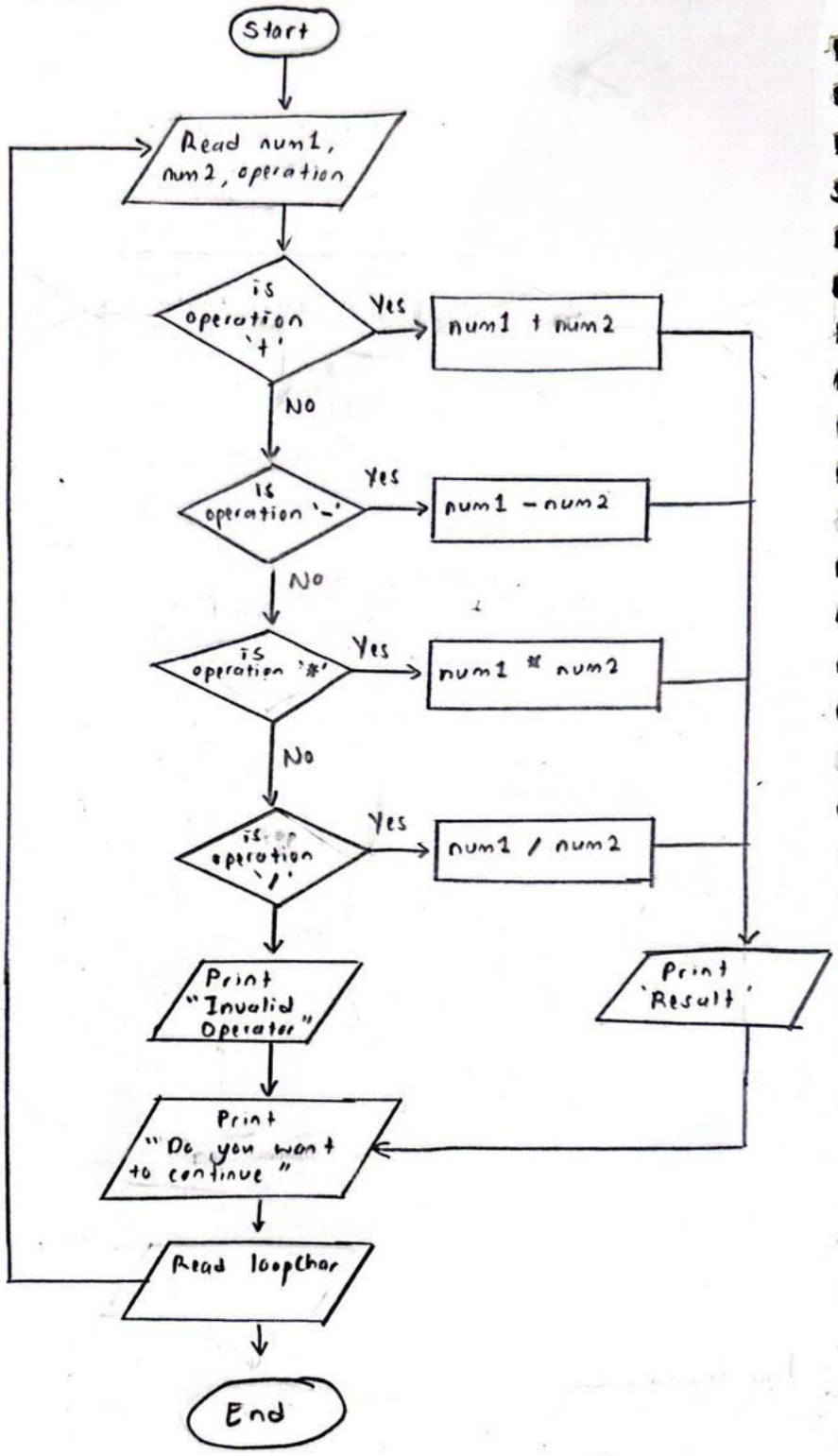
The picture below show my answer to the question given by the lecturer:





Scanned with CamScanner