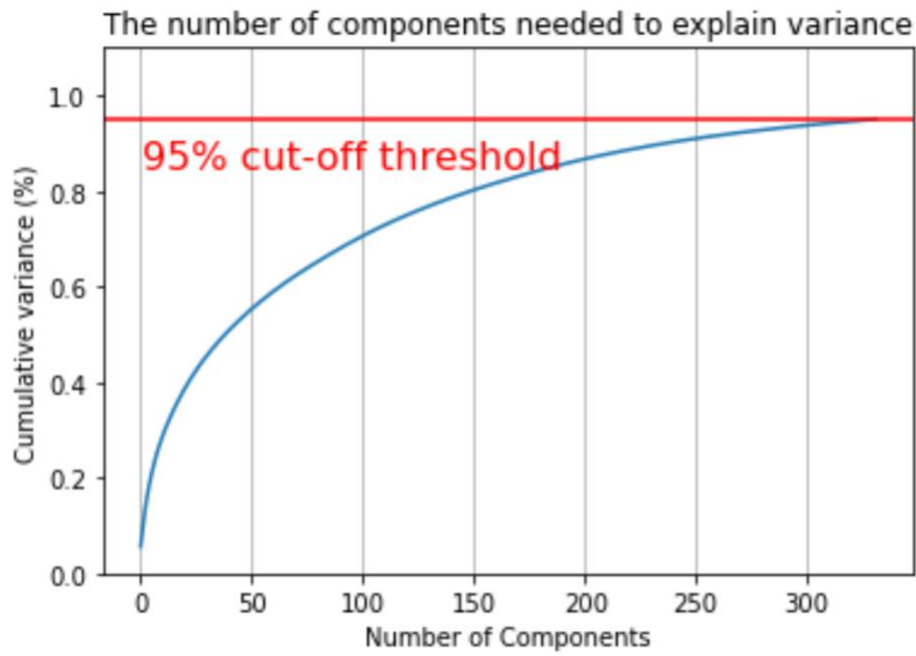1. A)

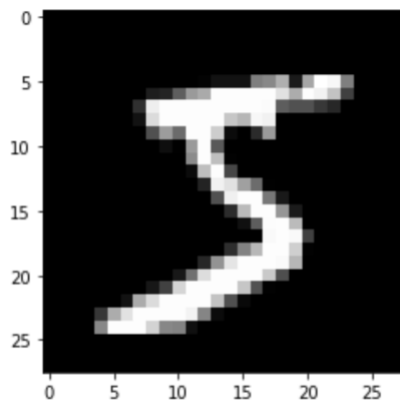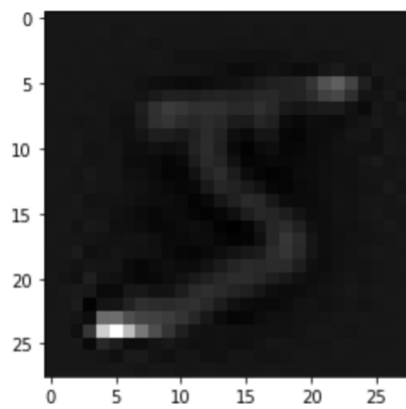The number of components needed to explain variance

b)
It is around 332

c)
before:

After:

From the image, I found the image was clear before but blurred later!