Task 1:

* What part of the certificate indicates this is a CA’s certificate?
  + A black text on a white background

    Description automatically generated
* What part of the certificate indicates this is a self-signed certificate?
  + The issuer and Subject are both the same entity (namely, me)
* In the RSA algorithm, we have a public exponent e, a private exponent d, a modulus n, and two secret numbers p and q, such that n = pq. Please identify the values for these elements in your certificate and key files.
  + e: 
  + A screenshot of a computer screen

    Description automatically generatedd:
  + n: A screenshot of a computer code

    Description automatically generated
  + p: A screen shot of a computer code

    Description automatically generated
  + q: A screen shot of a computer code

    Description automatically generated

Task 4:

* Open up Firefox. Browse to your website. (with https)
  + A screenshot of a computer

    Description automatically generatedWhat is the result?
  + Why did you get this result?
    - The certificate issuer isn’t recognized
* A screenshot of a computer

  Description automatically generatedA screenshot of a computer

  Description automatically generatedReload after loading certs
  + The necessary cert is now present in the browser

Task 5

* A screenshot of a computer

  Description automatically generatedResults
* Why
  + The error states that the site doesn’t use valid certs for the requested address. Basically, the certs don’t match what is expected.