1. Read sections 15.12 and sections 16.1 through 16.8

2. Complete the calculation of the example $F = \mathbb{Z}_2[X]/X^5 + X^2 + 1$, $\alpha = X$,

$$s(z) = \alpha^{15} + \alpha^{30} z + \alpha^{17} z^2 + \alpha^{29} z^3 + \alpha^{26} z^4 + \alpha^{3} z^5.$$ 

3. Do exercises 16.1 and 16.4