

FYSE 1280: Fall 2025
Breaking The Code: The Enigma of Alan Turing

Assignment 3
For Friday, September 19

		
Turing at age 3	Turing at Hazelhurst	Christopher Morcom on left; Turing on right, at Sherborne

Reading

Read Chapter 1 “Roots and Childhood” and Chapter 2 “Sherborne and Christopher Morcom” in *Simply Turing*.

Exercises

Write out solutions to these exercises:

1. Encipher ALAN MATHISON TURING using a classic Caesar cipher with a shift of 3. You should obtain DODQ PDWKLVRQ WXULQJ
2. Encipher your full name using a classic Caesar cipher with a shift of 3.
3. A plaintext message was enciphered as FUBSWRORJB LV WKH VFLHQFH RI PDLNLQJ DQG EUHDNLQJ VHFUHW FRGHV DQG FLSKHUV using a Caesar cipher with a shift of 3. What is the plaintext?
4. A plaintext message was enciphered as

EVQQYR: GURER VF N UBHFR JVGU NYY SBHE FVQRF SNPVAT FBHGU. VS N ORNE JNYXF CNFG GUR UBHFR, JUNG PBYBE JBHYQ VG OR?

NAFJRE: JUVGR. N UBHFR JVGU NYY FVQRF SNPVAT FBHGU JBHYQ UNIR GB OR BA GUR ABEGU CBYR, JURER GURER ZVTUG OR CBYNE ORNEF, OHG AB BGUREF.

using a Caesar cipher with an unknown shift. Determine the shift and find the plaintext version.