UCSD - ECE Polarized Patterns

Introduction:

John sat down with a thoughtful look,
Setting up his safe, protected against crooks.
He picked out four digits with care and precision,
Keeping his belongings secure was his mission.

Code 1:

John began with a simple design,
Sequencing his digits in an order that felt fine.
From smallest to largest, in a proper line,
The order was clear, a pattern divine.

Code 2:

John thought carefully about the next code,
The digits would be in the order letters followed.
Arrange the numbers as letters should be,
Putting them in their natural order was key.

Code 3:

John paused and suddenly smiled with glee, The next code was as clear as it could be. He thought of different letters, one by one, D, E, B, and H—his fourth code was done.