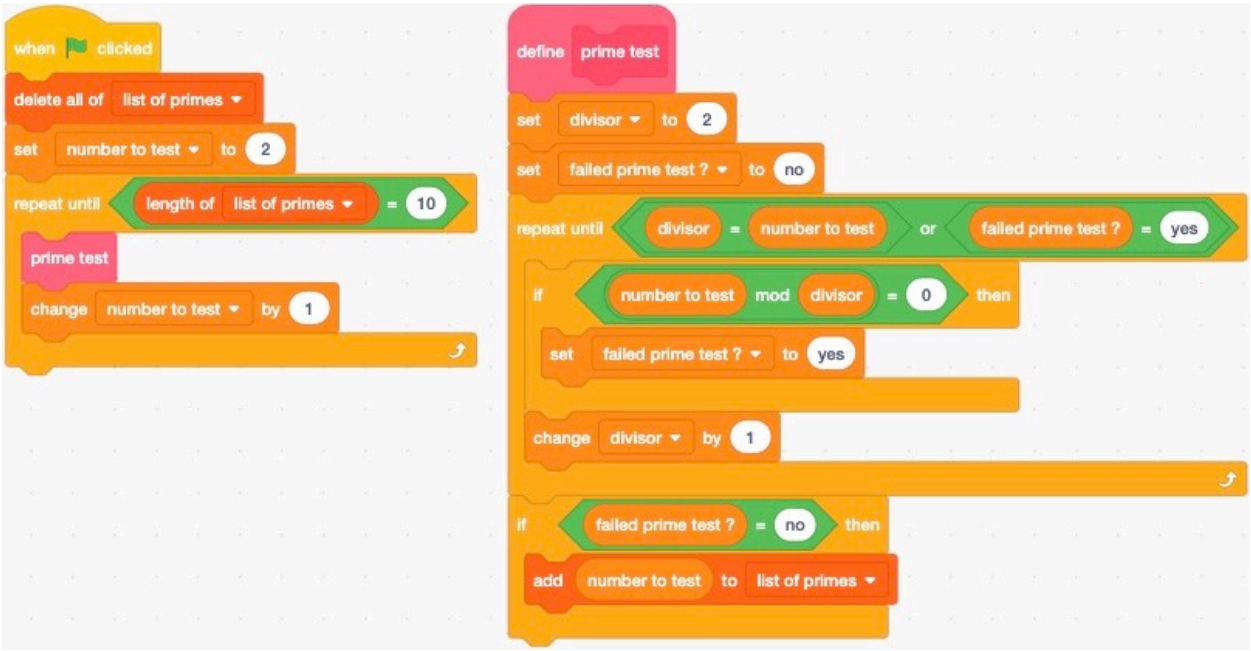
PRIMES + SCRATCH: TEAM TASK

The Scratch code shown below finds the first 10 prime numbers and lists them, as shown on the right. The code is available at: https://scratch.mit.edu/projects/510950947/editor

1. Execute, edit and re-execute, and study the code and its output to understand how it works.
2. Design, code and test a way of making this code more efficient
3. Design, code and test a way of finding the first 10 twin primes
4. Design, code and test a pattern that may always give you a prime number (for example, are all numbers like 11, 111, 1111, 11111 always prime?
5. Create a poster presentation of what you did, what you learned, and what else you'd like to know.



HOW TO WORK AS A TEAM

1. A **non-competitive** atmosphere among team members and among teams
2. A **common purpose** within and across teams
3. **Collaborative** problem-solving, where everyone contributes
4. **Scaffolding** by the teacher as needed
5. **Everyone develops understanding**, with no team members left behind
6. **Exchange of ideas among teams**, with opportunities for cross-team visits
7. **Multiple solution methods**, modelling/solving problems in more than one way
8. **A culminating sharing** of what teams did, learned, and wonder about