

CS110, Computer Programming Lab, Department of CSE, IIT Guwahati Spring' 18

Moduel 2, Stage 3: Looping Constructs

Have you complete the practice drill for this stage?

Your code for this stage will be evaluated on the following criteria

- Have you drawn the flowchart on paper for your code?
- Have you given meaningful names to variables?
- Have you added comments at appropriate places in your code?
- Have you indented your code properly?
- Have you prepared multiple test cases on paper to check correctness of your code?
- Is your code working correctly for all those test cases?

Assignment 2:

Given two number n_1 and n_2 , print the set of common prime factors. Accept values of n_1 and n_2 from user at the run time.

- Assume that both n_1 and n_2 are natural numbers with value greater than zero.
- Note that a set does not have duplicate elements

Example:

Input: $n_1 = 180$ $n_2 = 675$

Goal: Find the set of common prime factors for 180 and 675.

Answer: 3, 5

Input: $n_1 = 200$ $n_2 = 343$

Goal: Find the set of common prime factors for 200 and 343.

Answer: Empty set