Tutorial Basic Testing

Week 2, Session 2 Tahun Ajaran 2025/2026

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- PPMPL 11S3112 -
- Sem Ganjil 2025/2026 -

Questions

1. [Top-Down Integration Testing]: Please write a simple piece of code that has a **stub** that execute two functions: `Factorial` (a function to calculate the number of multiplication factors of an input integer) and `subtraction` (a function to substract a pair of integer).

2. [Bottom-Up Integration Testing]: Please write a simple piece of code that implement function `GCD`, function `isOdd`, function `exponent`, and a **driver** to run all functions. (GCD is a function to determine greatest common divisor of a given set of integers; `isOdd` is a function to check whether an integer is an odd number or not; `exponent` is a function that return the value of X^y of an input integer).

Note:
You are free to choose the programming language to implement the functions.

ThankYou☺