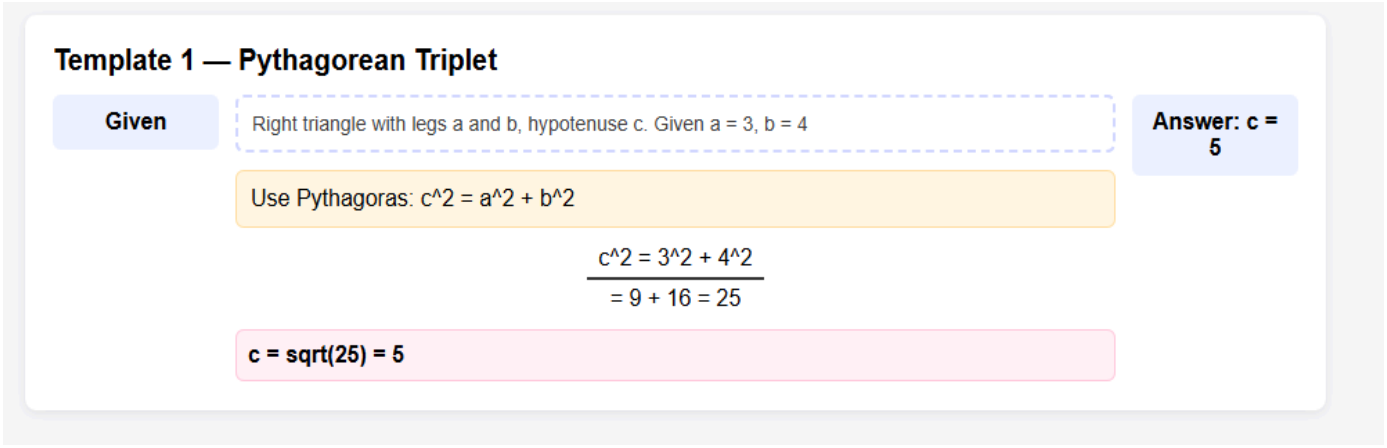
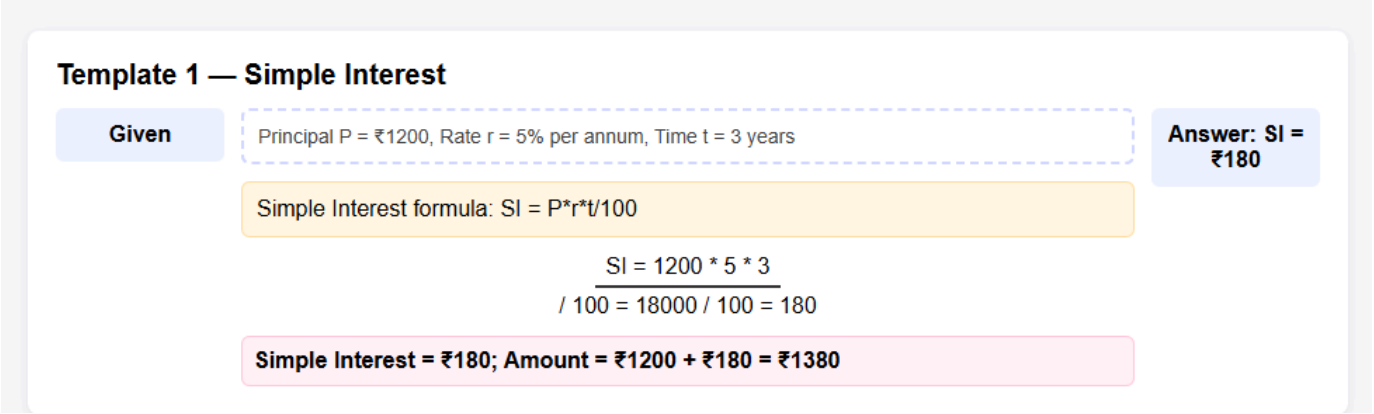
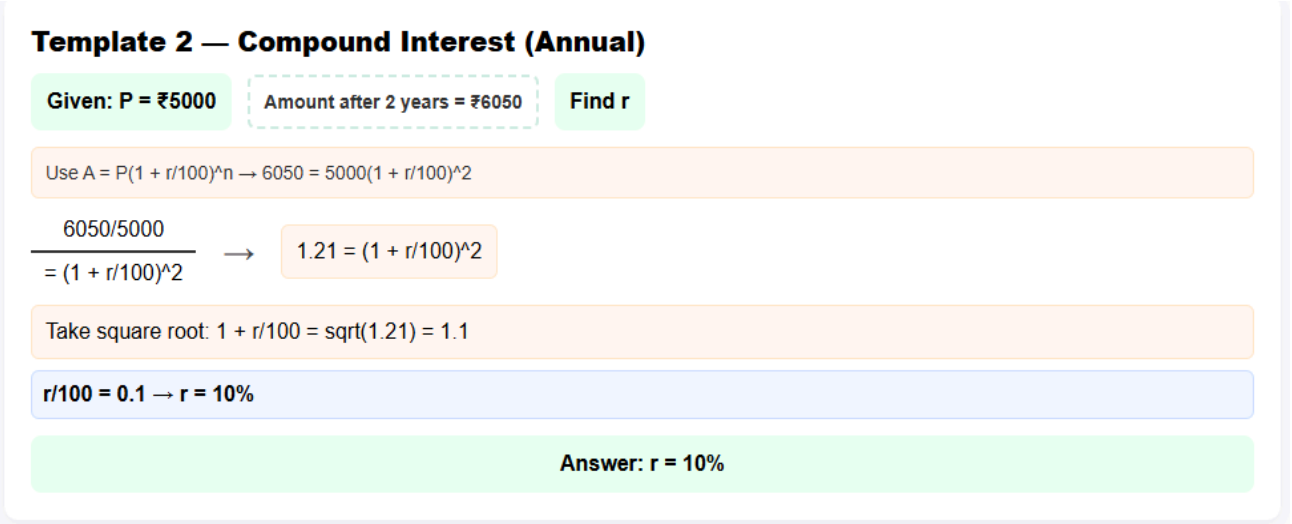
Backend Developer Assignment

Screenshots of the rendered output:-







Template 2 — Compound Interest (Quarterly)

Given: P = ₹2000 | **r = 8% p.a., n = 2 years, comp quarterly** | **Find Amount**

Quarterly rate = 8/4 = 2% per quarter, number of quarters = 2*4 = 8

A = P(1 + r_q/100)^8 = 2000(1 + 2/100)^8

= 2000 * (1.02)^8

≈ 2000 * 1.171659 = 2343.318

Amount ≈ ₹2343.32

Answer: A ≈ ₹2343.32