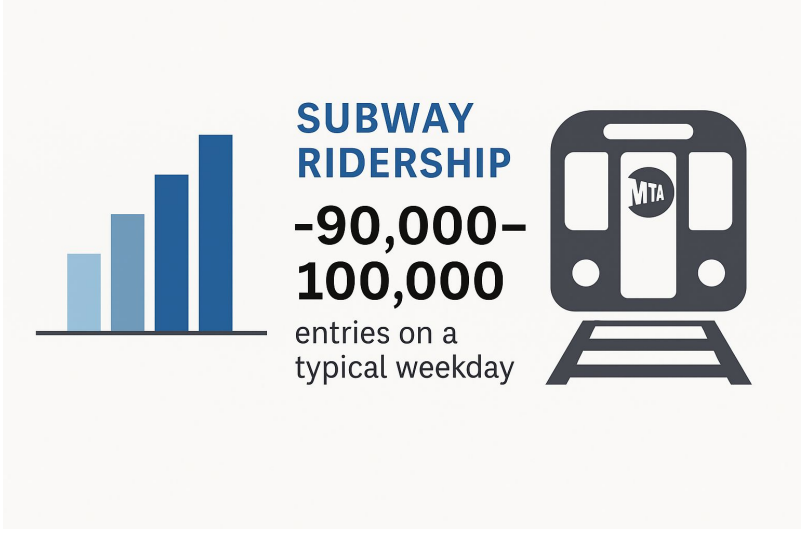
Lab 5

Fulton St. Turnstile Revenue Simulator Lab
Loops/Conditionals

By the end of this lab, students will be able to:

- Use constants (const) to represent fixed values.
- Apply loops (for) to repeat code efficiently.
- Write conditional statements (if / else if / else) to handle logic.
- Use the modulus operator (%) to check divisibility.
- Accumulate totals with variables.



Scenario – Fulton St. Station

- The Setting: One of NYC's busiest subway hubs, serving ~90,000–100,000 riders per weekday.
- The Challenge: Simulate MetroCard swipes and calculate total revenue.

Fare Rules:

Type	Condition	Fare
Jumper	`swipe % 3 == 0`	$0.00
Half Fare	`swipe % 5 == 0` (not a jumper)	$1.45
Full Fare	Otherwise	$2.90

Today's Attendance