Lab 4

Input/Output/Conditionals

1 Input

- Write a simple program that takes in a int input and prints a personalized message using `std::cout`.
- Based on the street location number please create a message sharing what part of NYC you are in.
- Experiment with `std::cout` to print different messages and use `std::endl` and `\n` for new lines.
- Create edge case based on being too far out on the line.
- (Optional) Add message to highlight the area selected.

Example

- 23 => Chelsea
- 125 => Harlem
- 300 => Train doesn't go to upstate NY (Example catch message)

Output (Optional):

- Chelsea
As the line goes further downtown, it passes under or near these neighborhoods. Fun spot here is Chelsea's Dallas BBQ, I always took my brother here for his birthday.

Reference

Neighborhoods / zones in Manhattan along the A line

Here's how the A train roughly aligns with Manhattan neighborhoods from north to south:

Segment / Stations	Approximate Neighborhood(s)	Notes / Observations
207 St → 190 St / Inwood, Dyckman	**Inwood**, **Washington Heights / Upper Manhattan**	The northernmost stretch runs through Inwood and the upper Manhattan area.
181 St, 175 St, 168 St	Still Upper Manhattan / Washington Heights	The line is under more residential / hilly terrain here.
145 St, 125 St	**Harlem**, **Central Harlem** corridor	As you drop below ~ 145 St, you're in Harlem.
59 St–Columbus Circle	**Upper West Side**, edge of **Central Park West**	This is where the line meets more central Manhattan neighborhoods.
50 St, 42 St–Port Authority, 34 St–Penn	**Midtown Manhattan**, **Hell's Kitchen / Midtown West**	The train traverses the core of Midtown under Eighth Avenue / along the 8th Avenue corridor.
23 St, 14 St, W 4 St	**Chelsea**, **Greenwich Village**, **West Village**	As the line goes further downtown, it passes under or near these neighborhoods.
Canal St, Chambers St, Fulton St	**Lower Manhattan**, **SoHo / Tribeca / Financial District** areas	At this southern stretch, the train is in the densest core of Lower Manhattan, before entering the Brooklyn tunnels.

Intermission