

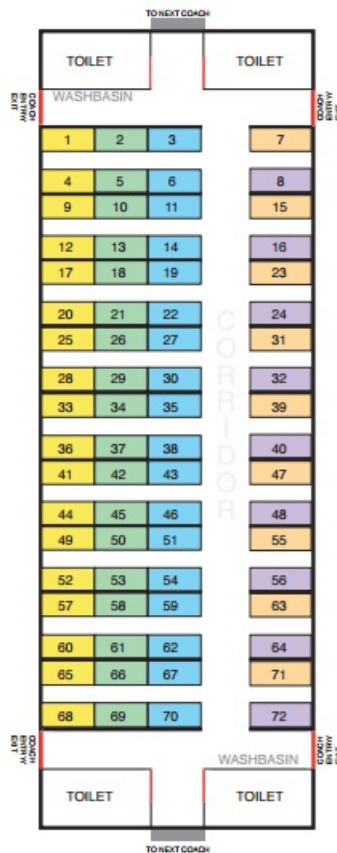
## Experiment:2 IF-ELSE AND LOOPS

### 1. BASIC OPERATIONS AND APPLICATION OF LOGICAL OPERATOR

- (a) Take a Sleeper class seat number as input and return a string that describes the berth position. For reference, you can see the below figure.

**COACH DIAGRAM FOR  
SLEEPER CLASS NON-AC  
COACH (ICF)**

LEGEND	
	Door
	Coach wall
■	Lower berth
■	Middle berth
■	Upper berth
■	Side Lower berth
■	Side Upper berth
■	Vestibule



- (b) Write a program to check whether a given positive integer is a perfect square or not.
- (c) Write a program to generate the Fibonacci sequence up to a specified term "n".
- (d) Write a program to check whether a given positive integer is a prime number or not.