

There are three methods in which to start the elevator:

1. Importing a text file

a. In order to import a text file, the file must contain [Enter Floor]-[Exit Floor]

- i. The values must be between 1-10,
- ii. Multiple passengers must be separated with a return key.
- iii. Values must be integer (the tool will warn you otherwise).

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1 1-8
2 9-8
3 8-9
4 9-10
5 8-8
6 4-2
7 7-9
8 6-5
9 8-5
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b. Ex.

- i. Passenger 1 enters on floor 1, exits on floor 8
- ii. Passenger 2 enters on floor 9, exits on floor 8
- iii. Etc.

2. Manual input

a. Select up/down arrow to request elevator to floor.

b. Select the floor button on the new screen.

- i. Up arrow on floor 2, then selecting floor 8

1. The passenger enters on floor 2 and exits on floor 8.

3. Random inputs

a. Red exclamation point (!) button will insert five passengers with random enter and exit floors.

Shows all the passengers.

Background Colors:

- Waiting = Transparent
- In Queue = Yellow
- In Elevator = Green

Displays messages related elevator

- Changing floors
- Passenger enters
- Passenger exits (including wait/travel time)
- Elevator stops to pick up or drop off passengers (Red)
- Elevator changing directions (Yellow)

Elevator current floor
Direction elevator is picking up
Whether elevator is in motion

Passenger No	Wait Time	Travel Time	Enter Floor	Exit Floor	Direction	Status
1	20	20	2	8	up	in elevator
2	40	0	5	8	up	in queue
3	40	0	3	9	up	in elevator
4	40	0	3	8	up	in elevator
5	20	20	2	7	up	in elevator
6	20	0	10	4	down	waiting
7	20	0	9	7	down	waiting
8	20	0	9	8	down	waiting
9	20	0	9	8	down	waiting
10	20	0	7	7	down	waiting

Messages

Floor 1 to 2
Elevator Stopped on floor 2
Passenger 1 ENTER from floor 2
Passenger 5 ENTER from floor 2
Floor 2 to 3
Elevator Stopped on floor 3
Passenger 3 ENTER from floor 3
Passenger 4 ENTER from floor 3

- Displays all the floors (1-10)
- Current floor is bolded
- Up/Down arrow can be selected to signify a new passenger to enter on that floor
- Button is highlighted to show that the elevator is called on that floor.

• Import button

• Inserts 5 random passengers