**Test Cases**

1. ***take\_user\_choice(): Handling invalid input:***

Save Maverick

You are in front of the office building 'Maverick' the multinational IT company. The terrorist has planned a series of bombs on the first floor of the building.Your task is to locate the bombs planted on the floor and defuse them off. For defusing bombs you will require defusing kits.Enter into the floor, locate the 6 bombs and 6 defusing kits, defuse the bombs within 10min and save the office from blasting.

Type start to enter into building

**sta**

**I didn't get you, are you not interested to save maverick?**

**Type start to enter into building**

**rr**

**I didn't get you, are you not interested to save maverick?**

**Type start to enter into building**

**start**

**You are on first floor now, You can go to following rooms to search for bombs and defusing kits.**

No.of bombs left to defuse:6, No.of defusing kits in your bag:0, Time left:10.0min

1.Go left to reception desk

2.Go north west to meeting room

3.Go straight to pantry

4.Go north east to library

5.Go right to restroom

Enter the respective number to enter the room

6

Enter proper input

1. ***chk\_bomb(location):Check for bombs.***

1.Microwave

2.Refrigerator

3.Coffee Machine

4.Sofa

5.Go to library

6.Go to meeting room

7.Go to restroom

8.Go to reception desk

2

**There is no bomb here**

There is no defusing kit here, go search at some other places

No.of bombs left to defuse:3, No.of defusing kits in your bag:0, Time left:0.6999999999999993min

1.Microwave

2.Refrigerator

3.Coffee Machine

4.Sofa

5.Go to library

6.Go to meeting room

7.Go to restroom

8.Go to reception desk

5

You are in library now, there are couple of places here where you can search for bombs or defusing kits. select one option from below:

No.of bombs left to defuse:3, No.of defusing kits in your bag:1, Time left:0.2400000000000002min

1.Bookshelf

2.Printer

3.Locker

4.Computers

5.Go to pantry

6.Go to restroom

2

**Hey you found 1 bomb**

**You have defusing kit in bag use it to defuse bomb, type yes to defuse or no to go ahead**

**yes**

**Bomb is defused**

1. **chk\_defusing\_kit(location): *Check defusing kits***

1.Cupboard

2.Stationary Rack

3.Drawers

4.Refrigerator

5.Go to meeting room

6.Go to restroom

3

There is no bomb here

**There is no defusing kit here, go search at some other places**

No.of bombs left to defuse:6, No.of defusing kits in your bag:0, Time left:9.23min

1.Cupboard

2.Stationary Rack

3.Drawers

4.Refrigerator

5.Go to meeting room

6.Go to restroom

4

**There is no bomb here**

**Hey you found 1 defusing kit, it's put in your bag.**

No.of bombs left to defuse:6, No.of defusing kits in your bag:1, Time left:9.15min

1. ***get\_inventory\_and\_timer\_inf0(): inventory and timer info***

**No.of bombs left to defuse:6, No.of defusing kits in your bag:0, Time left:9.43min**

1.Cupboard

2.Stationary Rack

3.Drawers

4.Refrigerator

5.Go to meeting room

6.Go to restroom

3

There is no bomb here

There is no defusing kit here, go search at some other places

**No.of bombs left to defuse:6, No.of defusing kits in your bag:0, Time left:9.23min**

1. ***stats(): Calculate statistics of game.***

**Scenario 1:**

4.Refrigerator

5.Go to meeting room

6.Go to restroom

You lost, it's bomb blast. You are responsible for all casualties.

**Please close the Statistics.pdf file opened to generate statistics.**

**Scenario 2:**

3.Locker

4.Computers

5.Go to pantry

6.Go to restroom

You lost, it's bomb blast. You are responsible for all casualties.

**Look in Statistics.pdf for visualizing stats generated.**

Process finished with exit code 0

1. ***describe\_room(room\_name): describe each room***

You are in reception cabin now, there are couple of places here where you can search for bombs or defusing kits. select one option from below:

You are in meeting room now, there are couple of places here where you can search for bombs or defusing kits. select one option from below:

1. ***go\_to\_restroom(): things to do in room***

You are in restroom now, there are couple of places here where you can search for bombs or defusing kits. select one option from below:

No.of bombs left to defuse:4, No.of defusing kits in your bag:0, Time left:6.79min

1.Dustbin

2.Tissues box

3.Basin

4.Water Tank

5.Go to library

6.Go to reception desk

5

1. ***end\_timer(): Timer end.***

**Scenario 1:**

1.Bookshelf

2.Printer

3.Locker

4.Computers

5.Go to pantry

6.Go to restroom

You lost, it's bomb blast. You are responsible for all casualties.

Look in Statistics.pdf for visualizing stats generated.

Process finished with exit code 0

**Scenario 2:**

3.Locker

4.Computers

5.Go to pantry

6.Go to restroom

1

Hey you found 1 bomb

You have defusing kit in bag use it to defuse bomb, type yes to defuse or no to go ahead

yes

**Bomb is defused**

**You won, Good work champ!!**

**Thanks for saving Maverick**

Look in Statistics.pdf for visualizing stats generated.