Python – Buses

Purpose

This lab was designed to reinforce the idea of solving a problem via functions and then testing that data using a testing framework.

Description

Write the num_buses function below. Each bus can hold 50 people and the function returns the number of buses required given n people. Run the file test_buses.py which will test your code against several test cases.

```python
def num_buses(n):

    """

    (int) -> int

    Precondition: n >= 0

    Return the minimum number of buses required to transport n people.

    Each bus can hold 50 people.

    """

    # add your code here
```

Program Shell

Create a file called buses.py
Run the file test_buses.py that has been provided for you

Sample Execution

```
....
------------------------------------------------------------------
--
Ran 4 tests in 0.015s

OK
```

```
....
----------------------------------------------------------------------
--
Ran 4 tests in 0.015s

OK
```