```
from unittest.mock import patch, mock open
    @patch("builtins.open", mock_open(read_data="test data"))
expected_result = [("Schindler's List", 'Central Library'), ("One
Flew Over the Cuckoo's Nest", 'West Library')]
        with patch("sys.stdout", new_callable=StringIO) as mock_stdout:
            actual_output = mock_stdout.getvalue()
            self.assertTrue(all(str(detail) in actual output for detail in
expected result))
    @patch("builtins.open", mock open(read data="test data"))
        expected_result = [('East Library', 768), ('West Library', 1536),
        with patch ("sys.stdout", new callable=StringIO) as mock stdout:
            actual output = mock stdout.getvalue()
            self.assertTrue(all(str(provider) in actual output for provider
in expected result))
    @patch("builtins.open", mock open(read data="test data"))
        expected result = {'Central Library': ['The Godfather',
            actual output = mock stdout.getvalue()
            self.assertTrue(all(LibOfCD in actual output for LibOfCD in
expected result.keys()))
            self.assertTrue(all(all(CD Disk in actual output for CD Disk in
CD Disks) for LibOfCD, CD Disks in expected result.items()))
   unittest.main()
```