

Python Contact Mangement System

Project Structure:

Project was organized according to best practices from <https://docs.python-guide.org/writing/structure/>

```
/ContactManager-Visakh
  /data
    contacts.sqlite
  /src
    __init__.py
    contact_manager.py
    main.py
  /test
    test_contact_manager.py
  README.md
  requirements.txt
```

Design choices:

- with statements are used instead of explicit open and closing connections.
- Most of the error handling have been moved into main.py, due to reasons state below:
 - Some errors should be handled at the main function (eg: if could database creation is failed, then rest of the functions should not work).
 - Raising exceptions from the contact_manager module and handling them in main module gives more flexibility on how it should be handled at run time.

Docstrings and comments are written as per the best practices mentioned in <https://realpython.com/documenting-python-code/>