# Assignment 1

The following table shows a few characters from the Harry Potter series of books.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **House** | **Role** | **Status** | **Dies** |
| Harry Potter | Gryffindor | Student | Self | No |
| Ginny Weasley | Gryffindor | Student | Friend | No |
| Ron Weasley | Gryffindor | Student | Friend | No |
| Hermione Granger | Gryffindor | Student | Friend | No |
| Neville Longbottom | Gryffindor | Student | Friend | No |
| Oliver Wood | Gryffindor | Student | Friend | No |
| Luna Lovegood | Ravenclaw | Student | Friend | No |
| Cho Chang | Ravenclaw | Student | Friend | No |
| Cedric Diggory | Hufflepuff | Student | Friend | Yes |
| Hannah Abbot | Hufflepuff | Student | Friend | No |
| Draco Malfoy | Slytherin | Student | Enemy | No |
| Vincent Crabbe | Slytherin | Student | Enemy | Yes |
| Gregory Goyle | Slytherin | Student | Enemy | No |
| Penelope Clearwater | Slytherin | Student | Enemy | No |
| Albus Dumbledore | Gryffindor | Faculty | Friend | Yes |
| Severus Snape | Slytherin | Faculty | Enemy | Yes |
| Remus Lupin | Gryffindor | Faculty | Friend | Yes |
| Horace Slughorn | Slytherin | Faculty | Friend | No |
| Rubeus Hagrid | Gryffindor | Faculty | Friend | No |
| Minerva McGonagall | Gryffindor | Faculty | Friend | No |
| James Potter | Gryffindor | Student | Family | Yes |
| Sirius Black | Gryffindor | Student | Friend | Yes |
| Lily Potter | Gryffindor | Student | Family | Yes |
| Peter Pettigrew | Gryffindor | Student | Enemy | Yes |
| Tom Marvolo Riddle | Slytherin | Student | Enemy | Yes |

Status column refers to the status with respect to Harry Potter.

1. Write a function that will create these data into the list container.
2. Write a function that will return the list of names of all characters who belonged to the Gryffindor house
3. Write a function that will return the details of all the characters who are alive, grouped according to their houses
4. Write a function that will return all the details of the family members of Harry Potter
5. Write a function that will return the faculty members who die, sorted by alphabetical order