

Assignment

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