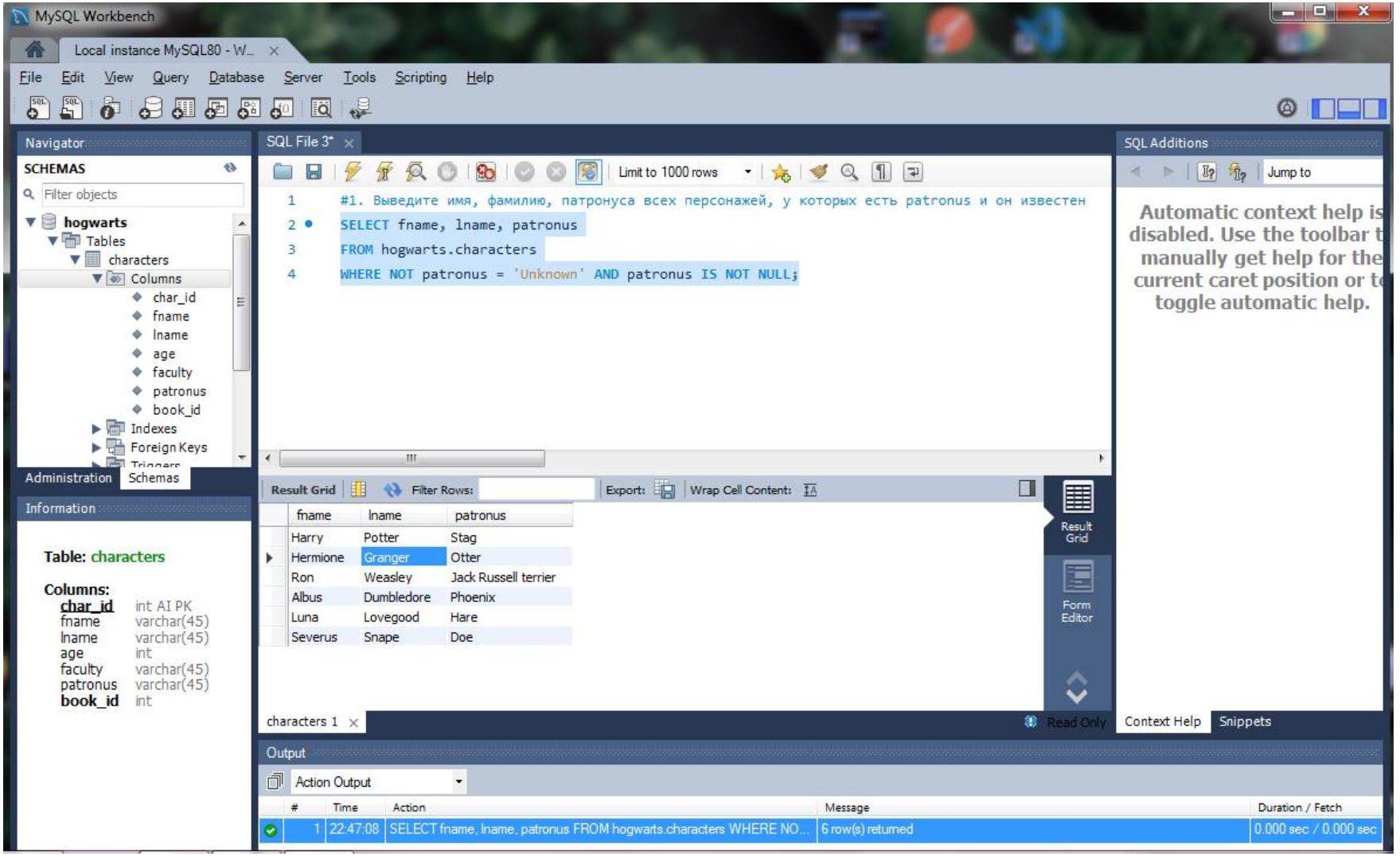
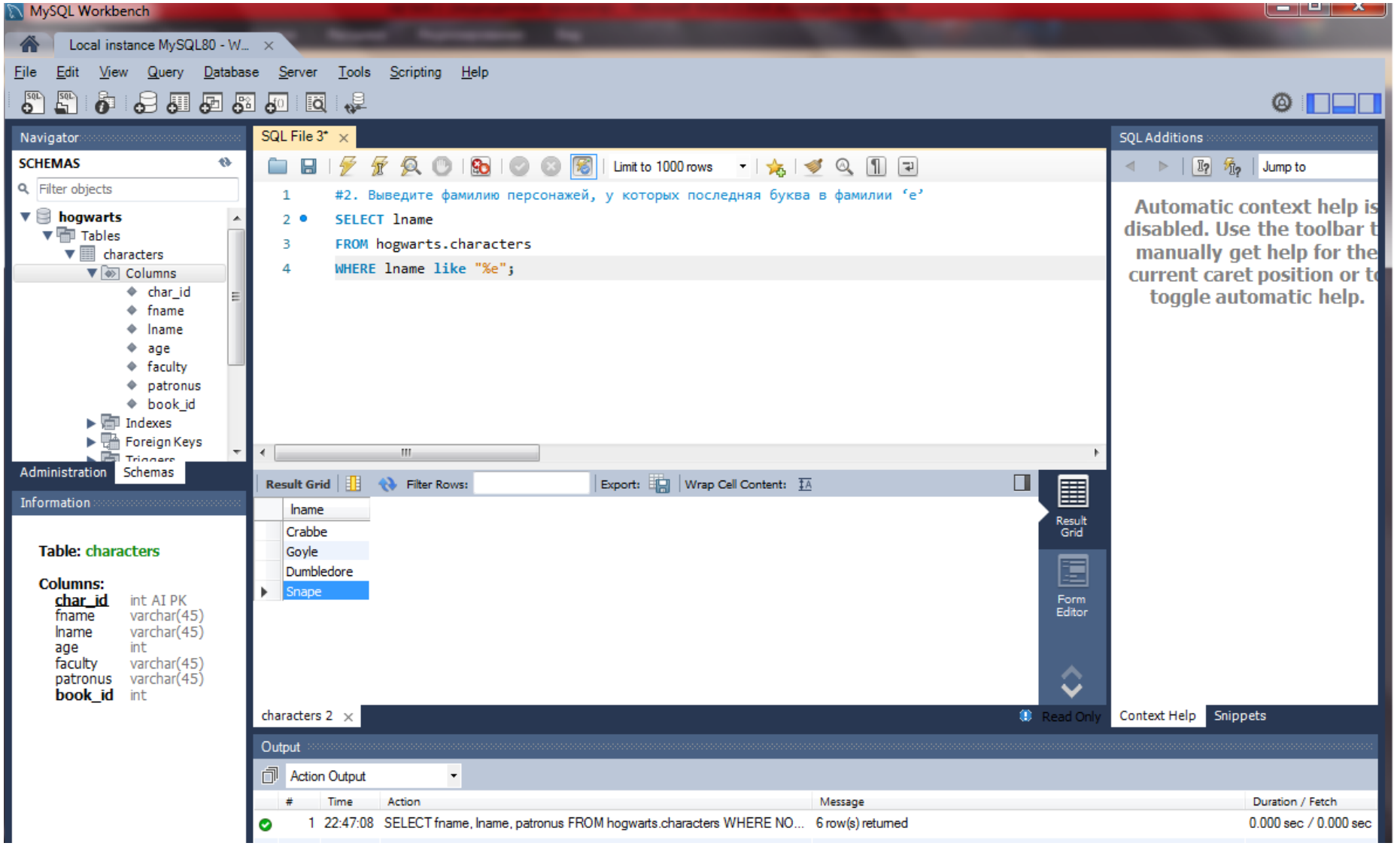
SQL TASK 1

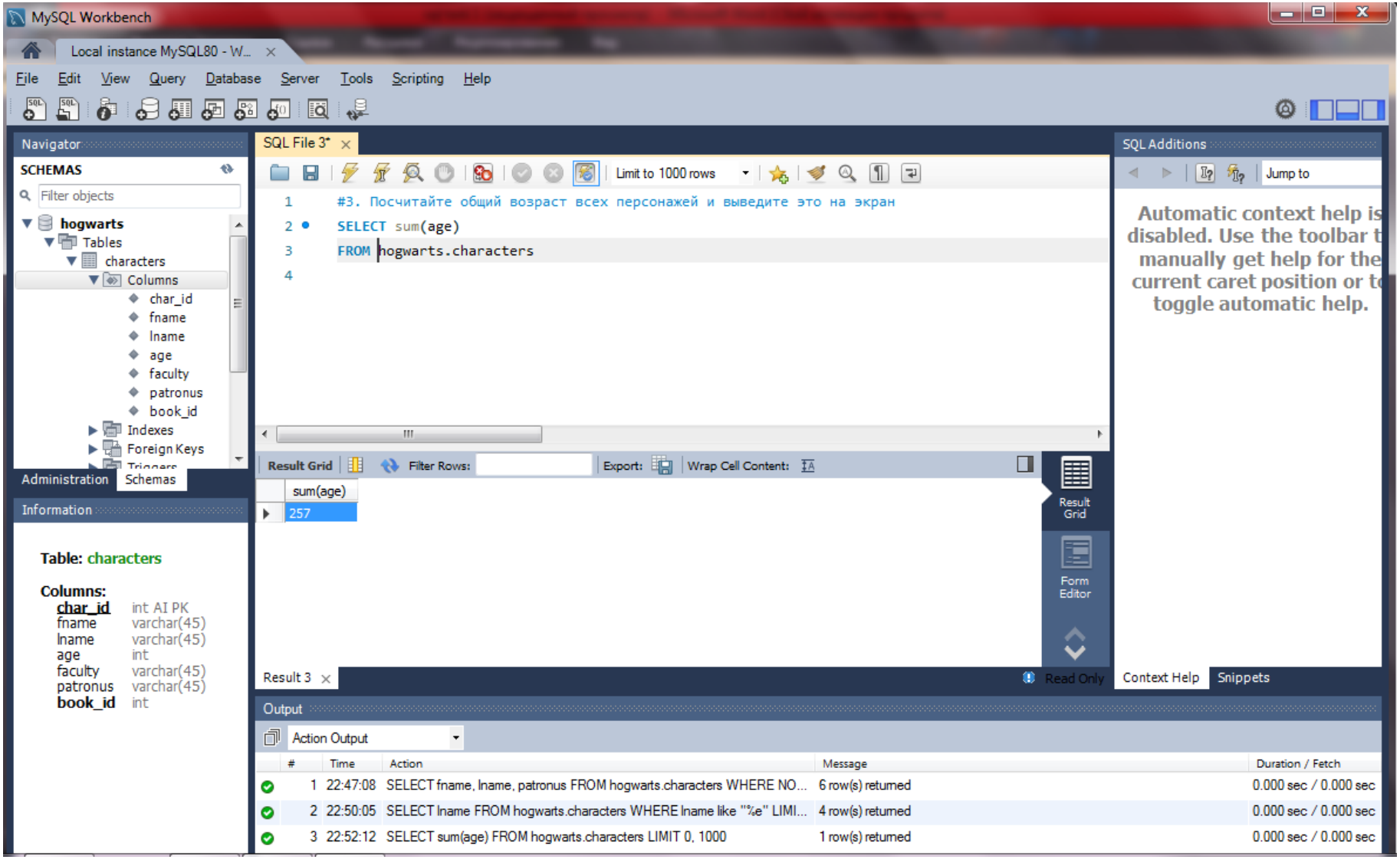
1. Display the first name, last name, and patronus of all characters who have a patronus and it is known.



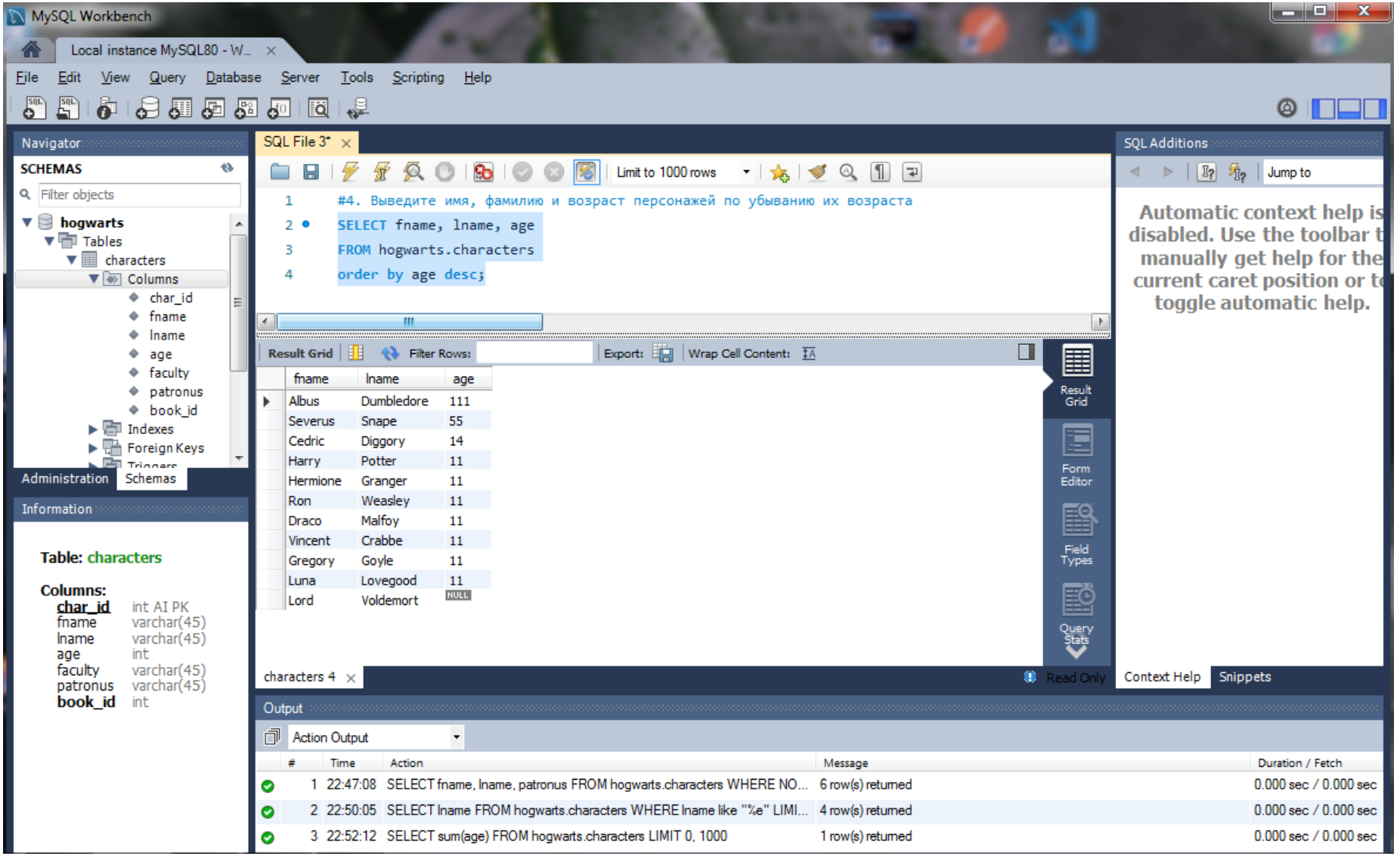
2. Output the last name of characters whose last letter in the surname is 'e'.



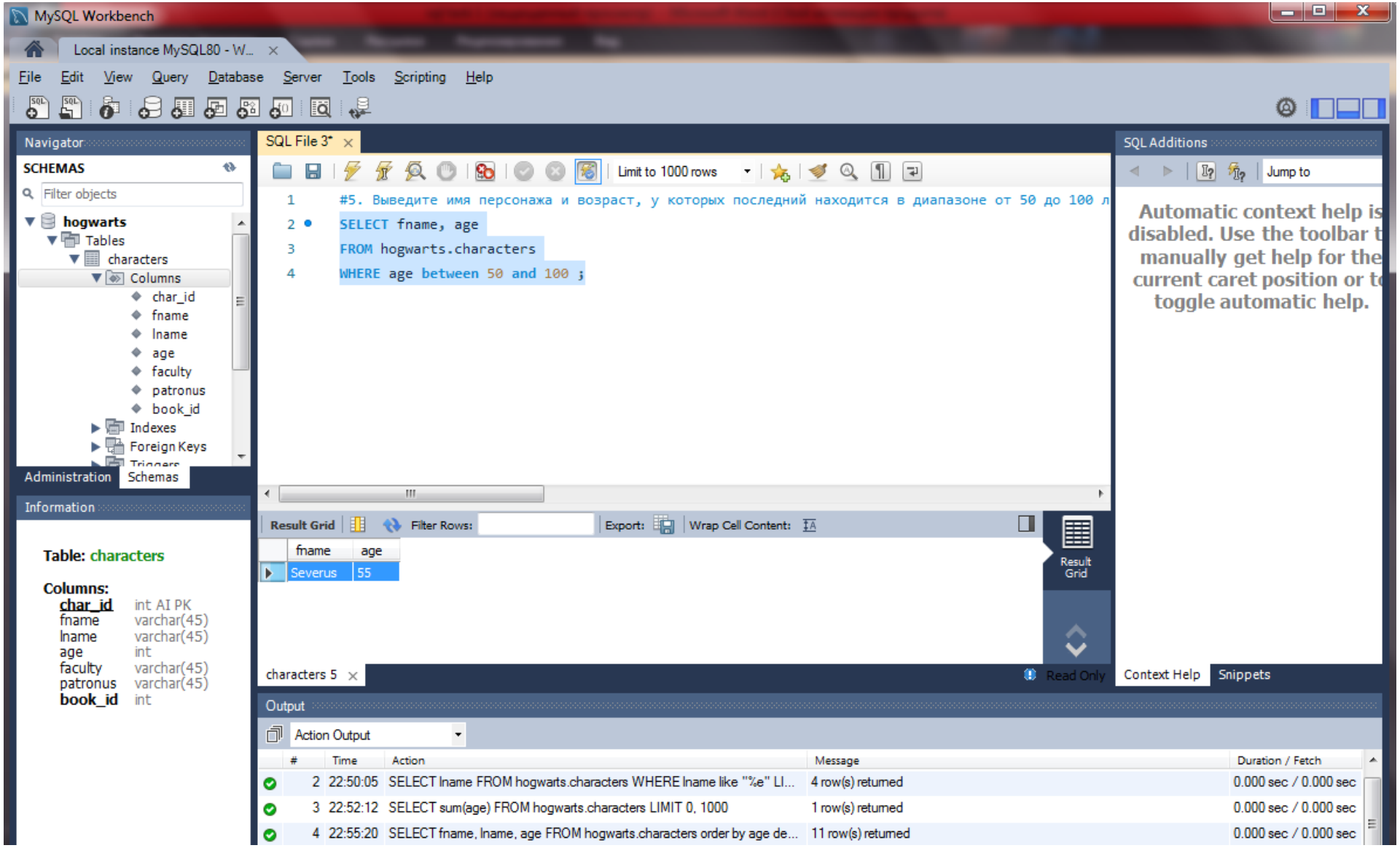
3. Calculate the total age of all characters and display it on the screen.



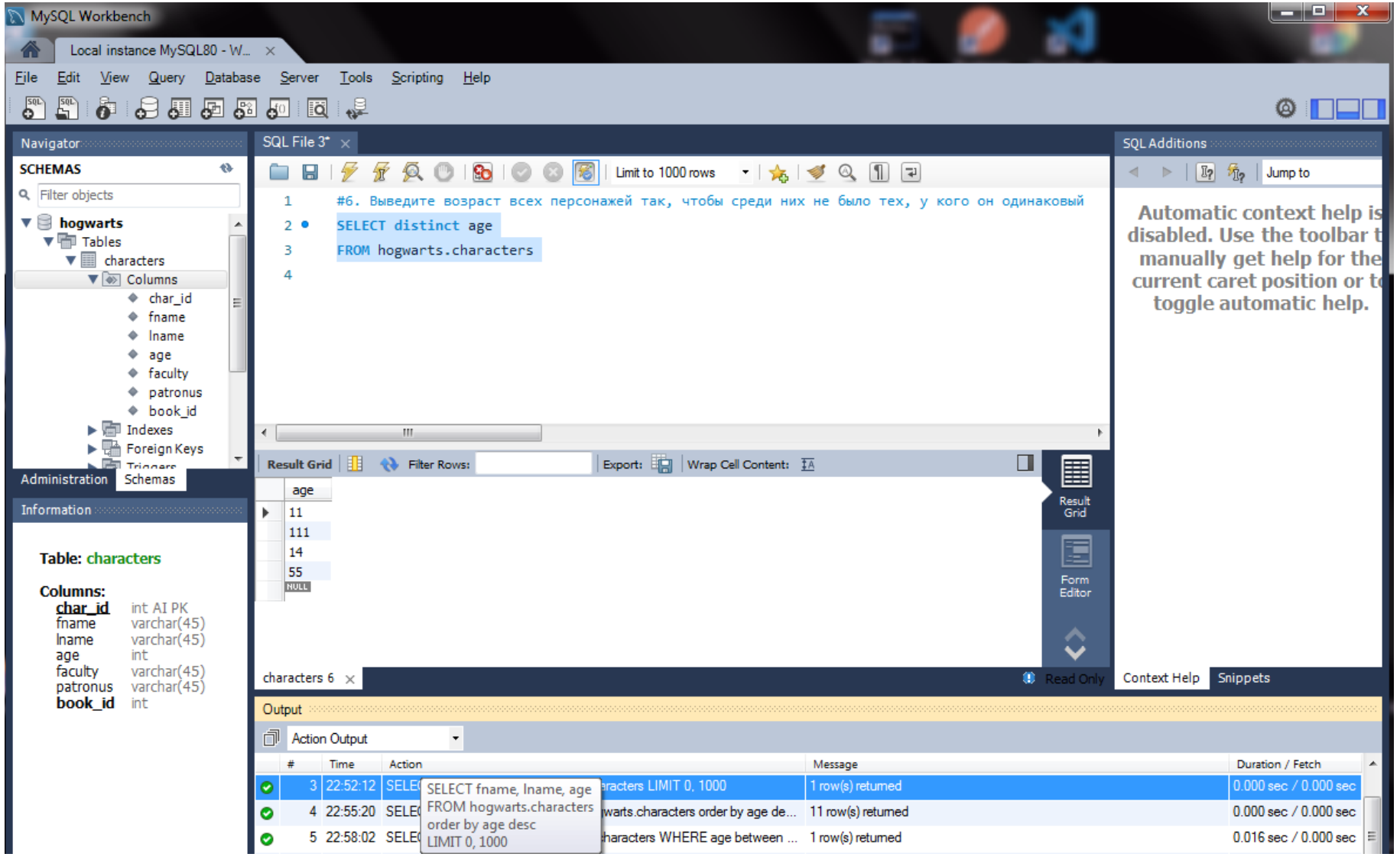
4. Display the first name, last name, and age of characters in descending order of their age.



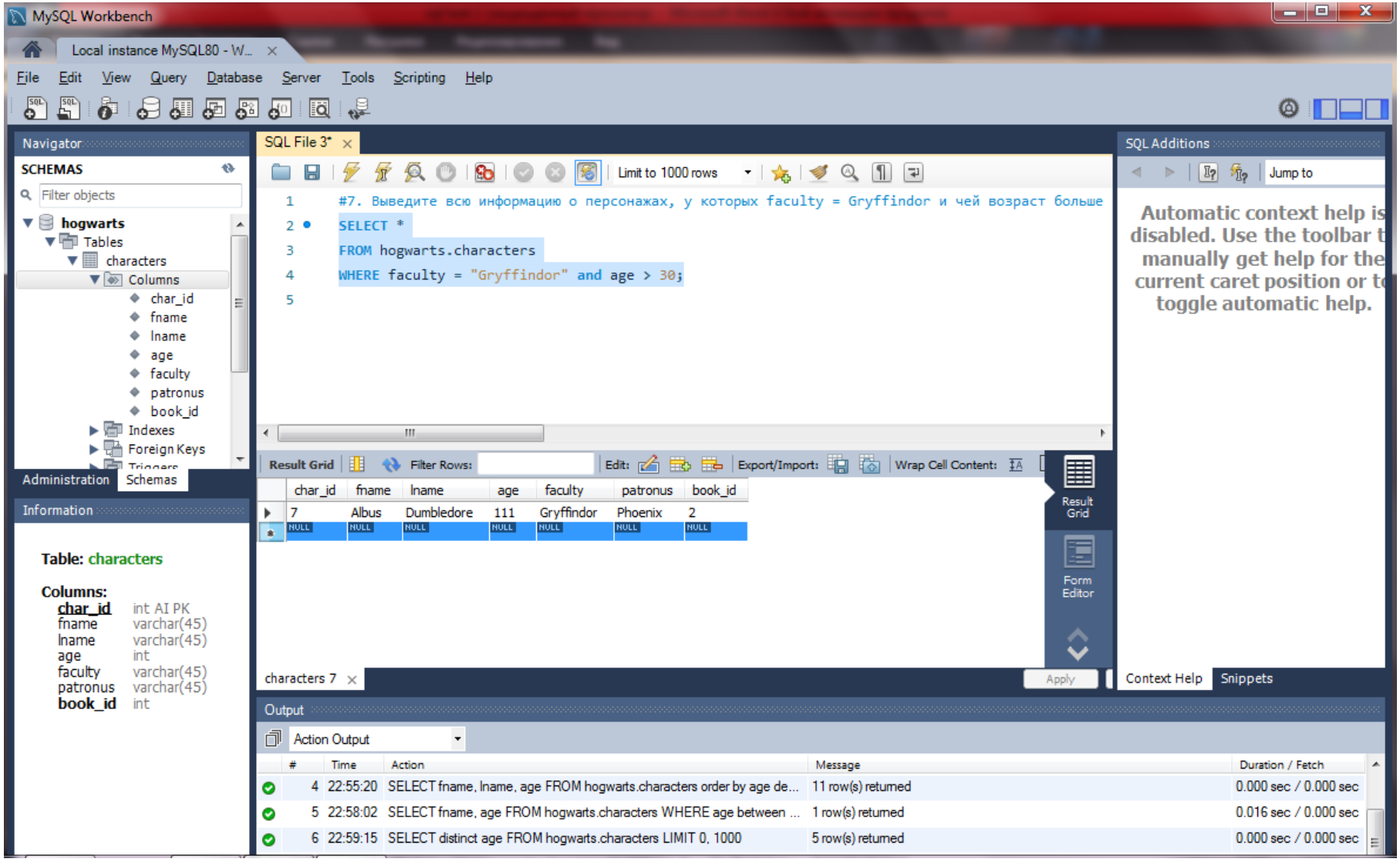
5. Display the name and age of characters whose age falls within the range of 50 to 100 years.



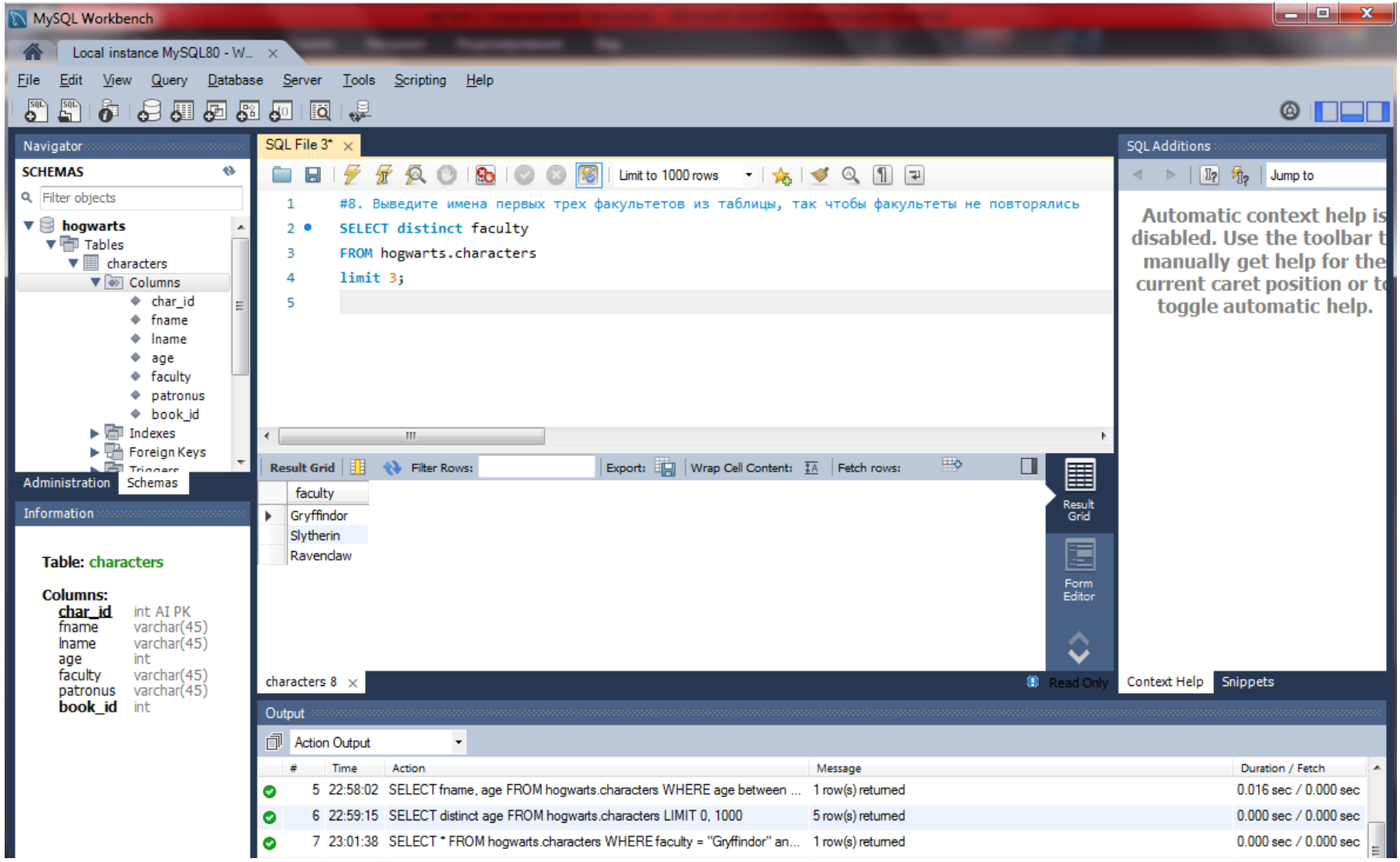
6. Display the age of all characters in such a way that there are no characters with the same age among them.



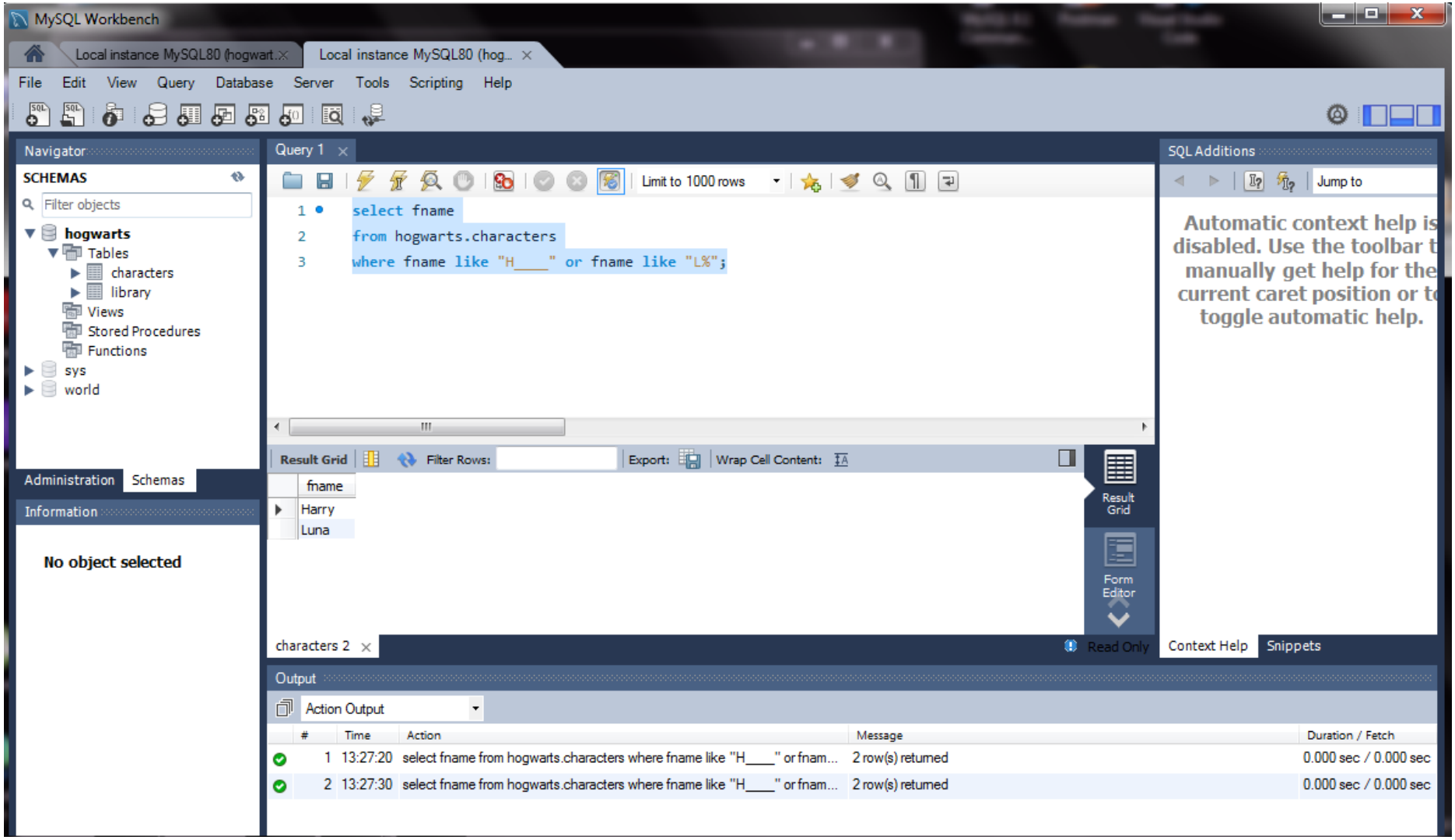
7. Display all the information about characters whose faculty is Gryffindor and whose age is over 30 years.



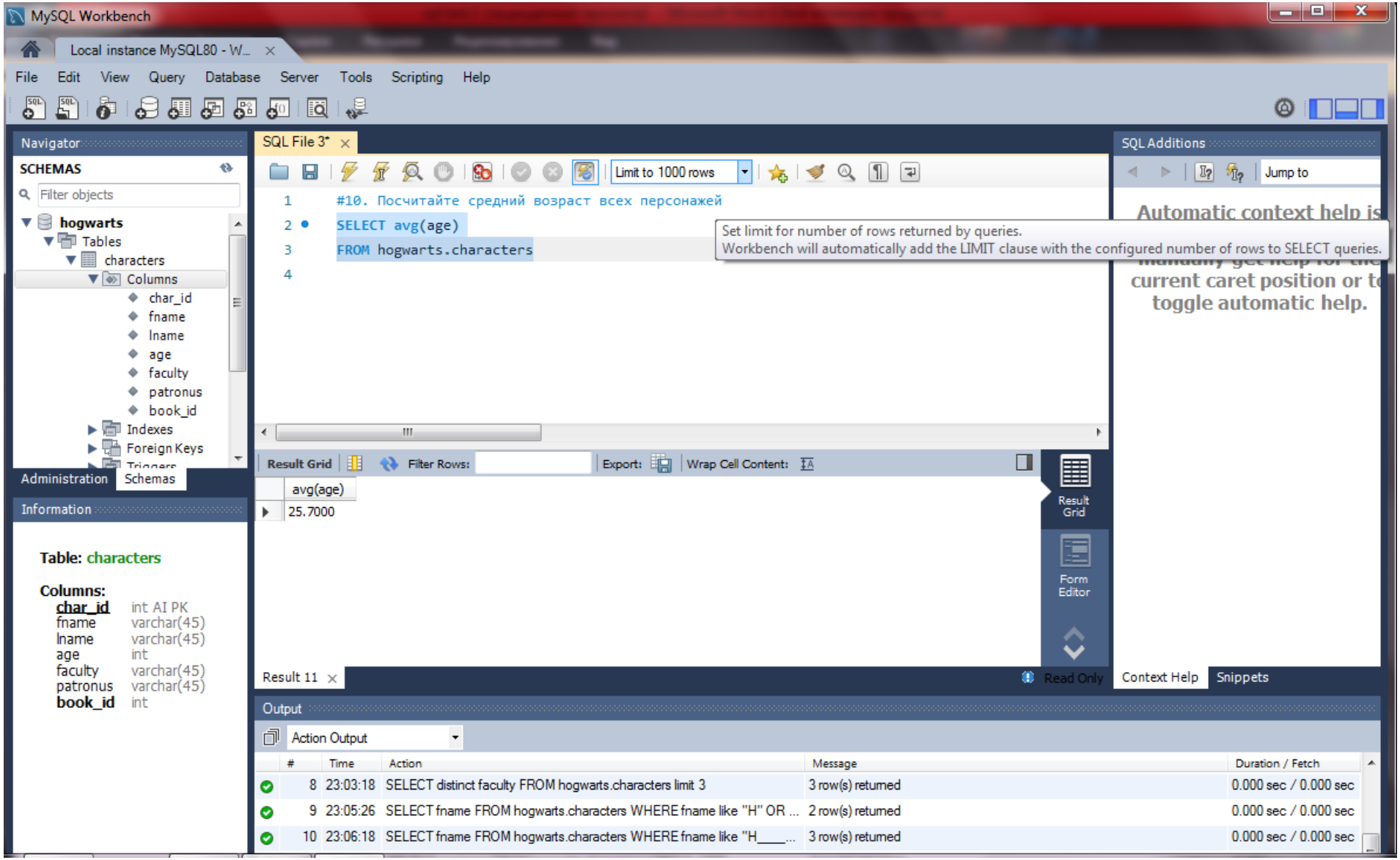
8. Display the names of the first three faculties from the table, ensuring that the faculties are not repeated.



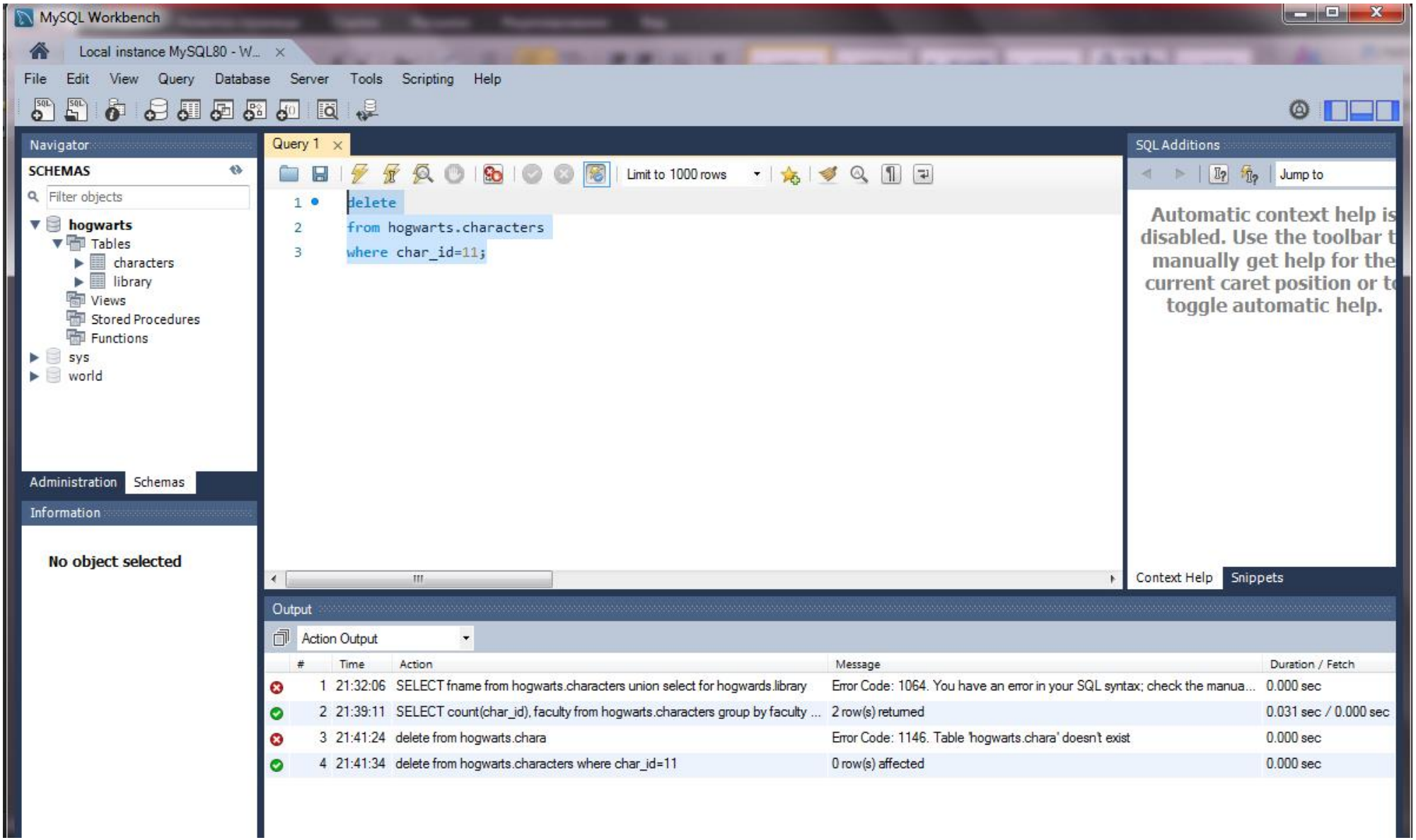
9. Display the names of all characters whose name starts with 'H' and consists of 5 letters, or whose name starts with 'L'.



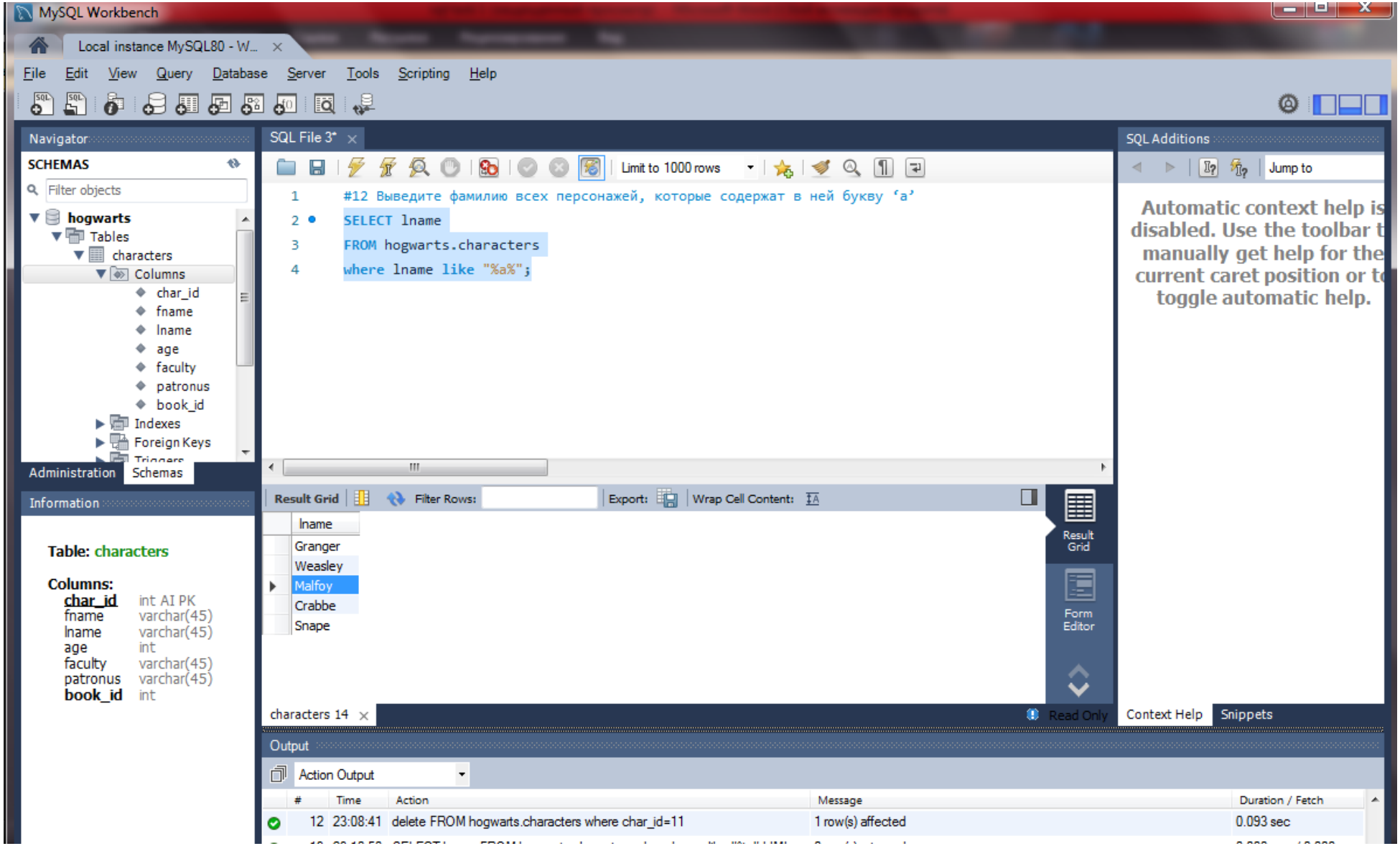
10. Calculate the average age of all characters.



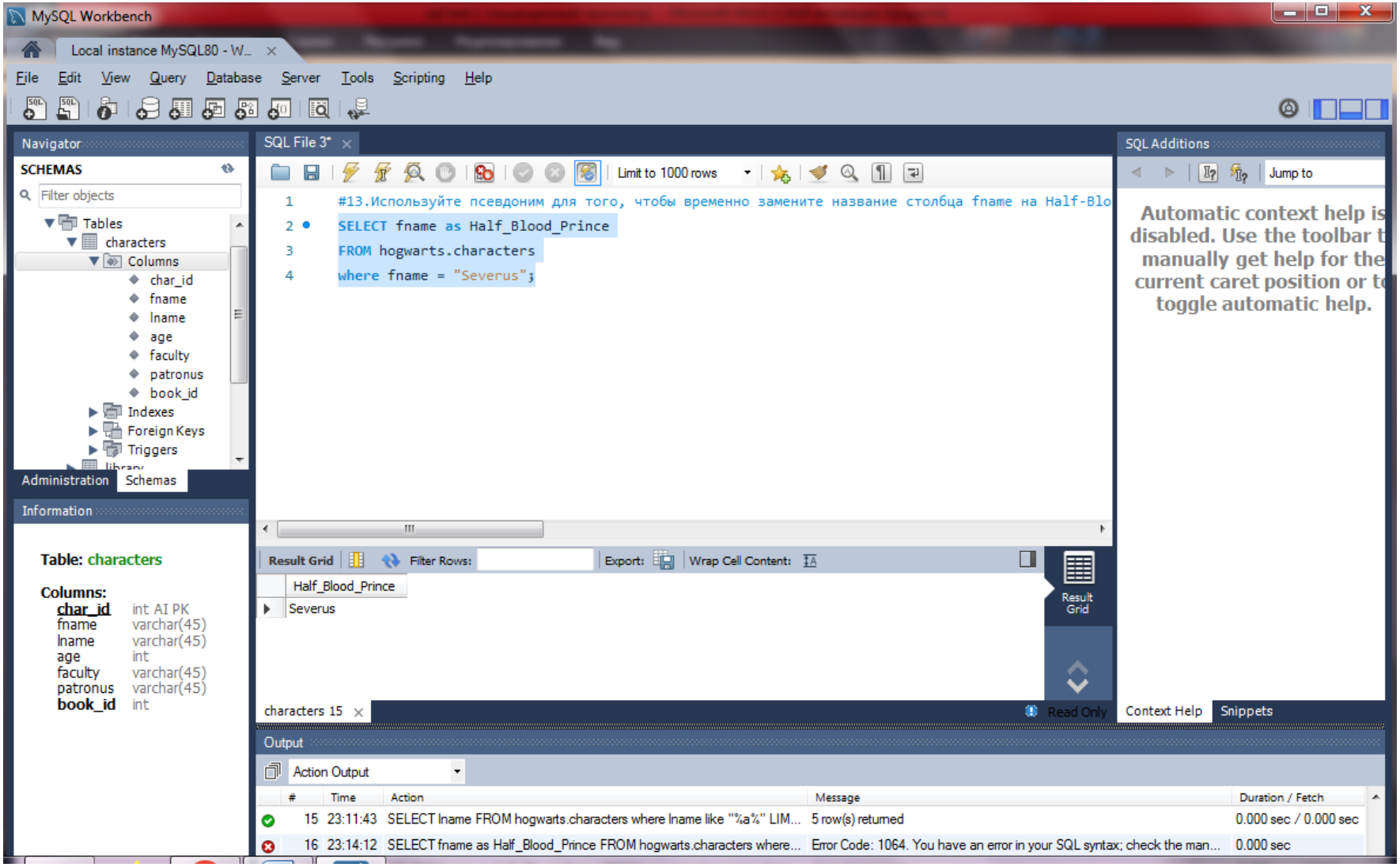
11. Delete the character with ID = 11.



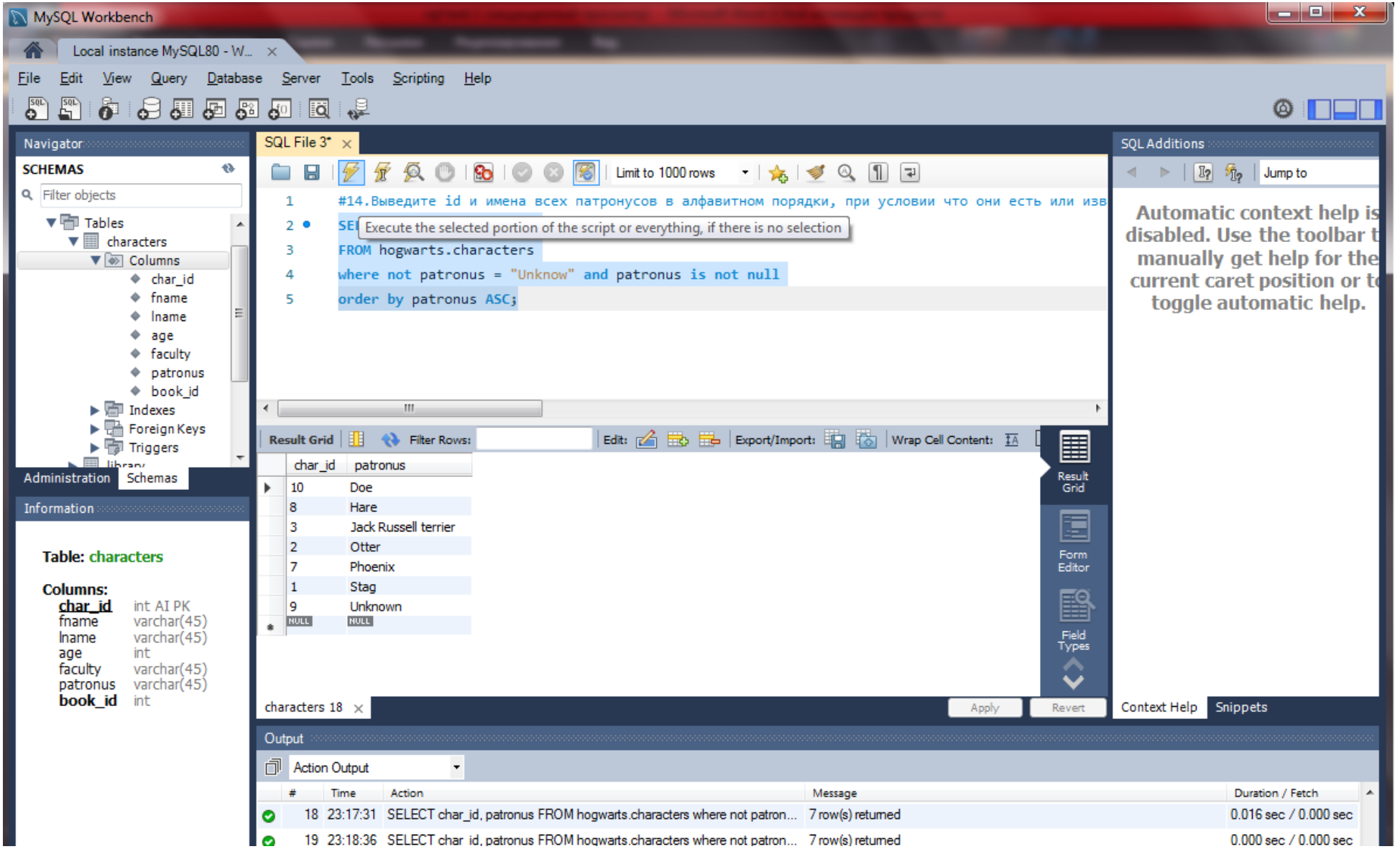
12. Display the last name of all characters that contain the letter 'a' in their name.



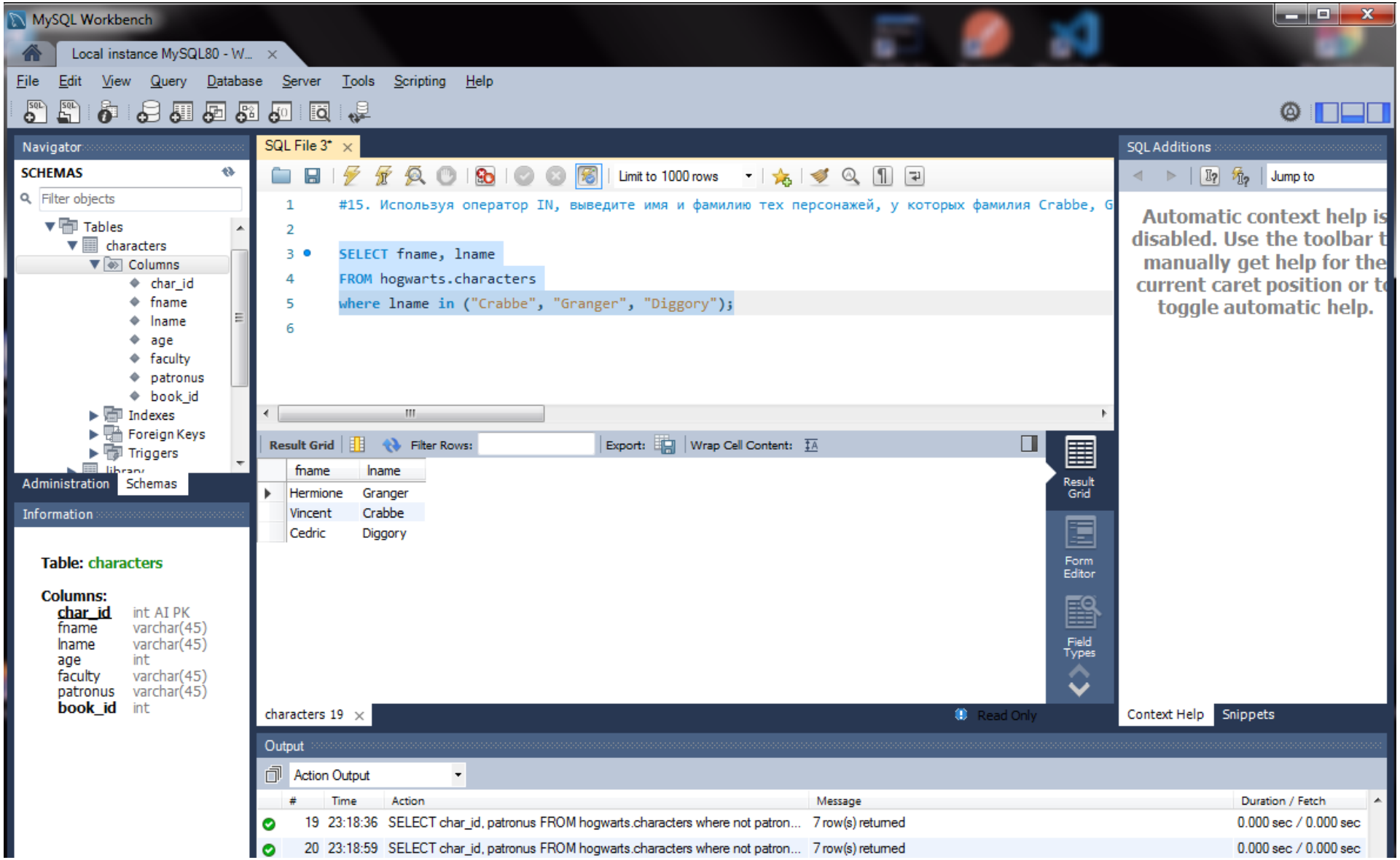
13. Use an alias to temporarily replace the column name "fname" with "Half-Blood Prince" for the real Half-Blood Prince.



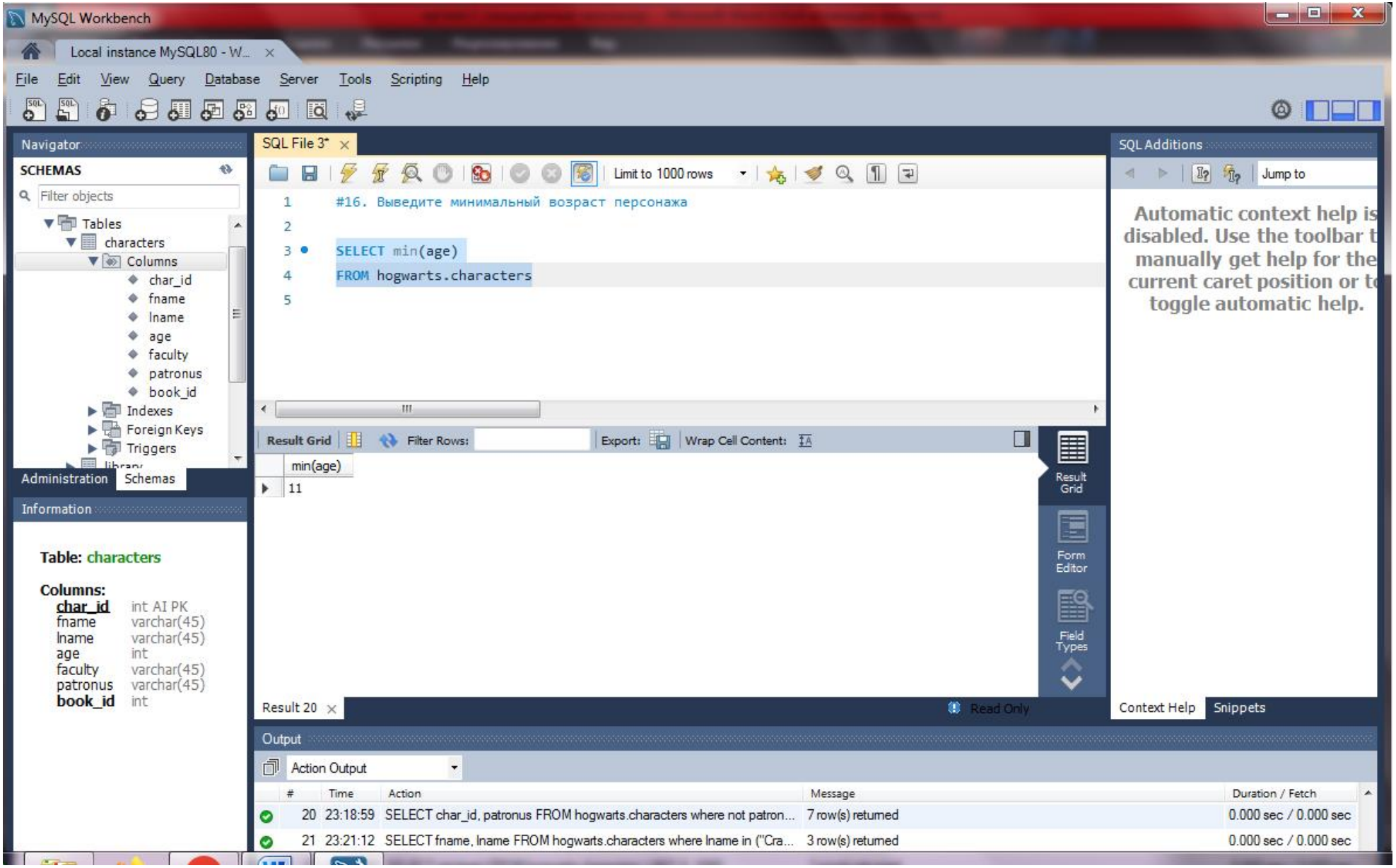
14. Display the IDs and names of all Patronuses in alphabetical order, provided that they exist or are known.



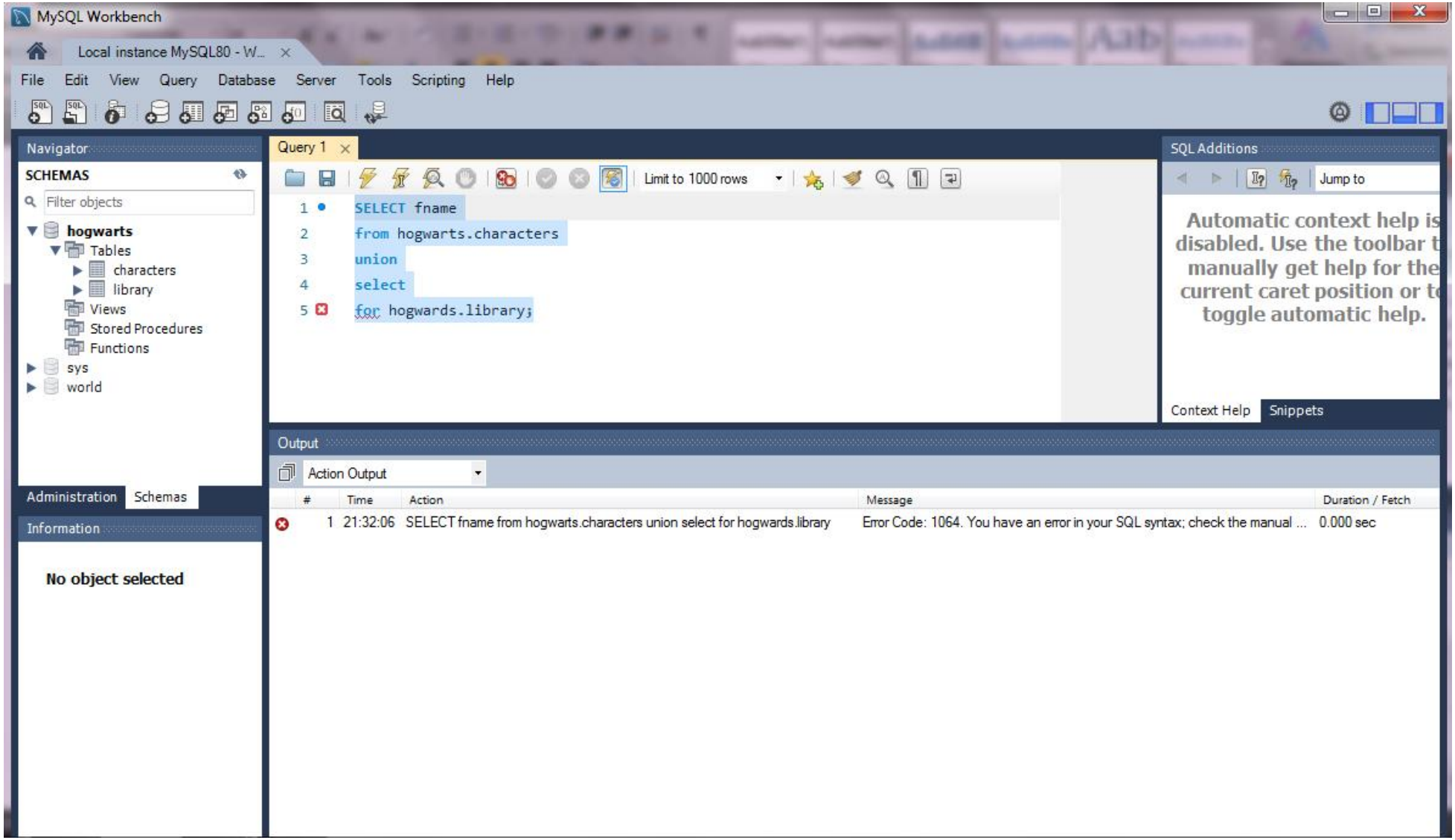
15. Using the IN operator, display the first name and last name of characters whose last name is Crabbe, Granger, or Diggory.



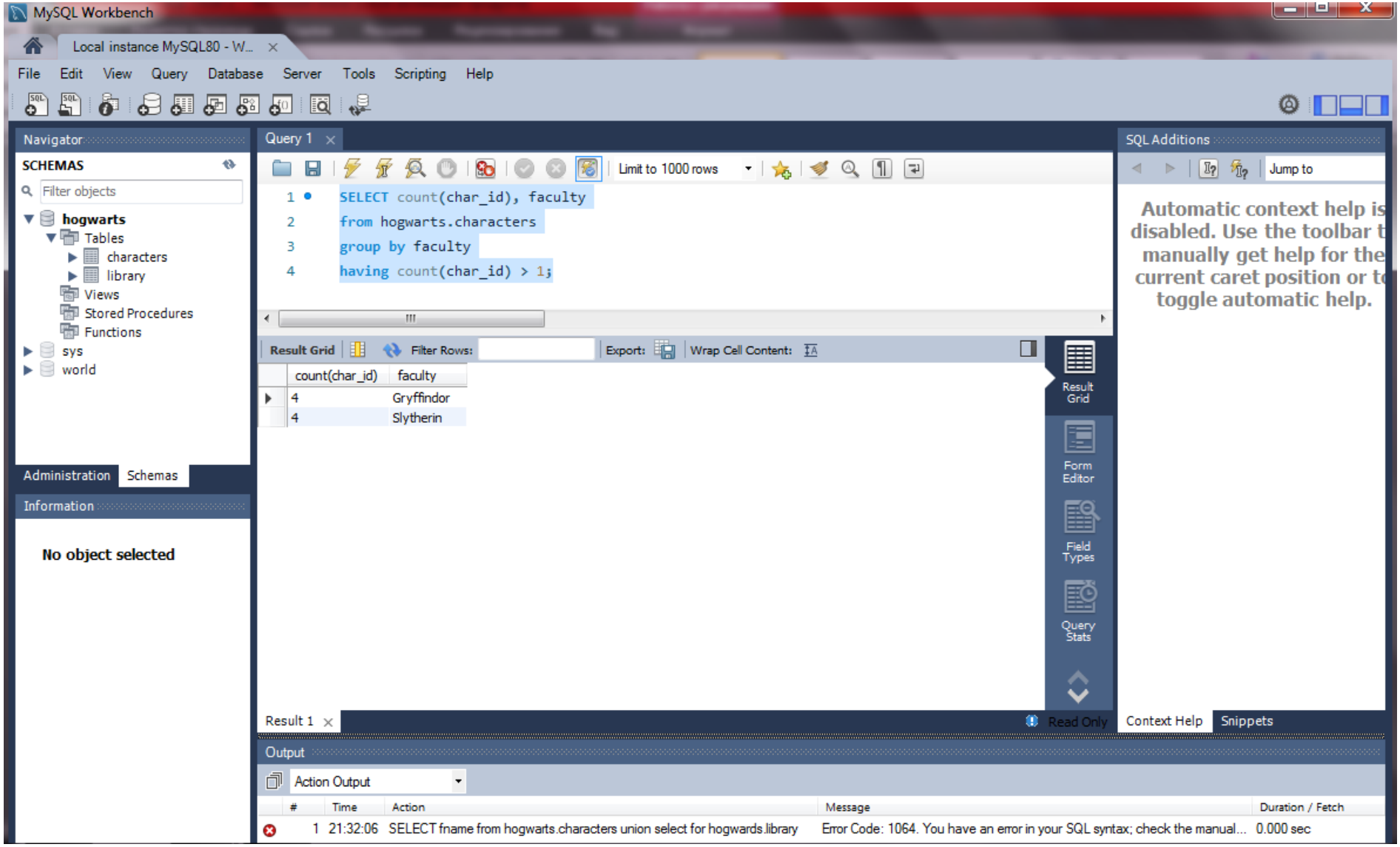
16. Display the minimum age of a character.



17. Using the UNION operator, select the names from the "characters" table and the book titles from the "library" table.



18. Using the HAVING operator, count the number of characters in each faculty, keeping only the faculties where the number of students is greater than 1.



19. Using the CASE operator, describe the following logic:

Display the first name and last name of the character, along with the following text message: If the faculty is Gryffindor, then the console should display "Godric"

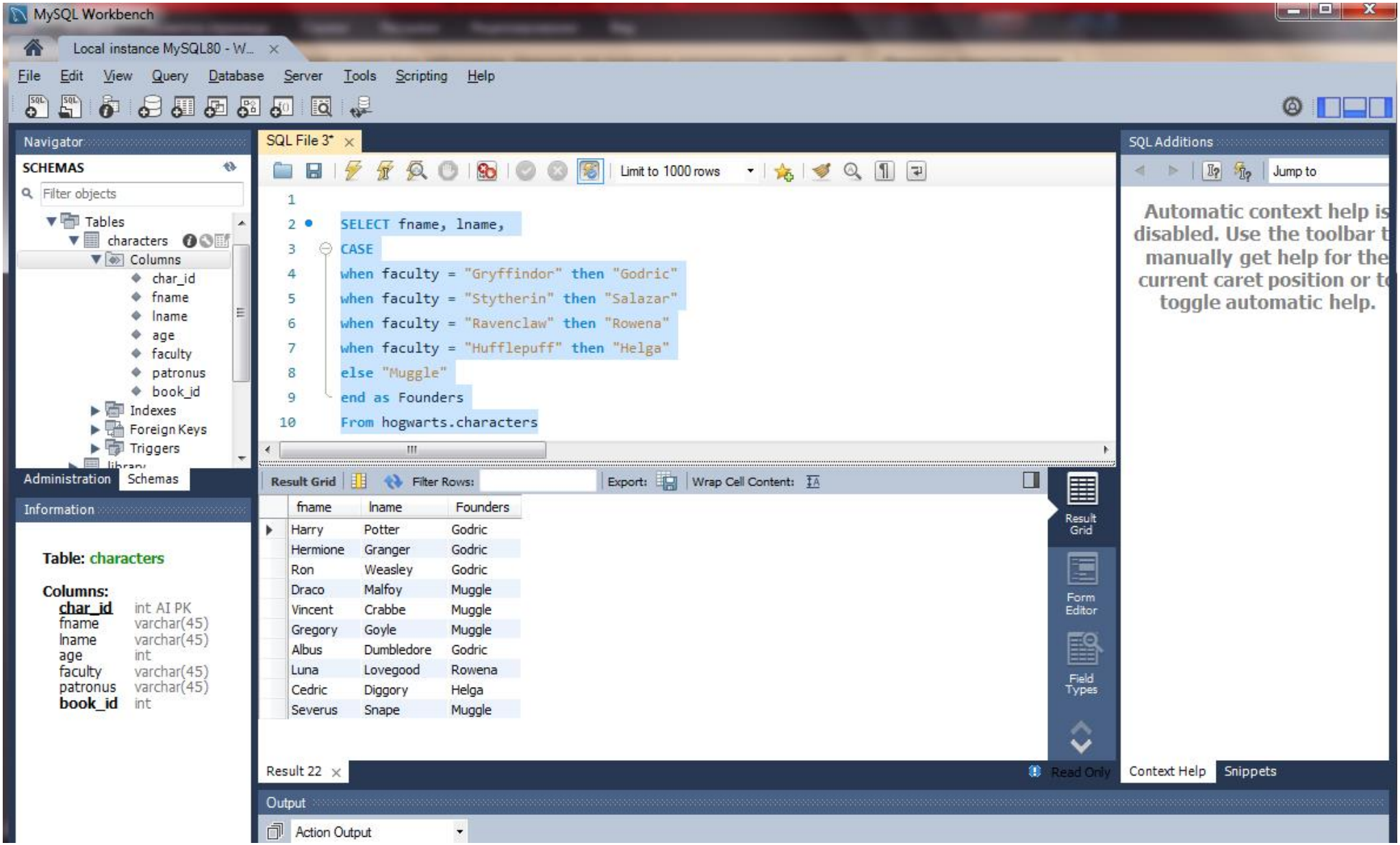
If the faculty is Slytherin, then the console should display "Salazar"

If the faculty is Ravenclaw, then the console should display "Rowena"

If the faculty is Hufflepuff, then the console should display "Helga"

If there is no match, then display "Muggle"

For the message, use the alias "Founders"


MySQL Workbench
Local instance MySQL80 - W...
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
Tables
characters
Columns
char_id
fname
lname
age
faculty
patronus
book_id
Indexes
Foreign Keys
Triggers
Administration Schemas
Information
Table: characters
Columns:
char_id int AI PK
fname varchar(45)
lname varchar(45)
age int
faculty varchar(45)
patronus varchar(45)
book_id int
SQL File 3*
Limit to 1000 rows
1
2 SELECT fname, lname,
3 CASE
4 when faculty = "Gryffindor" then "Godric"
5 when faculty = "Stytherin" then "Salazar"
6 when faculty = "Ravenclaw" then "Rowena"
7 when faculty = "Hufflepuff" then "Helga"
8 else "Muggle"
9 end as Founders
10 From hogwarts.characters
Result Grid Filter Rows: Export: Wrap Cell Content:
fname lname Founders
Harry Potter Godric
Hermione Granger Godric
Ron Weasley Godric
Draco Malfoy Muggle
Vincent Crabbe Muggle
Gregory Goyle Muggle
Albus Dumbledore Godric
Luna Lovegood Rowena
Cedric Diggory Helga
Severus Snape Muggle
Result Grid
Form Editor
Field Types
Result 22
Read Only
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output

20. Using a regular expression, find the last names of characters that do not start with the letters H, L, or S, and display them.