**Queries & Outputs:**

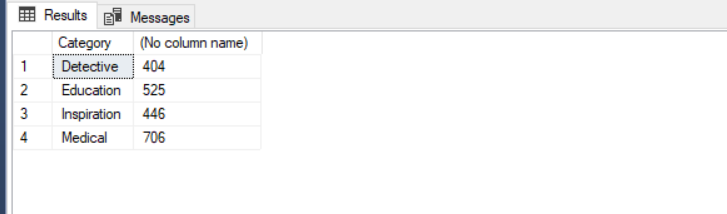
1. Names and average prices of all categories whose average price is greater than 360

select Category, avg (Price)

from Book

group by Category

having avg (Price) > 360;

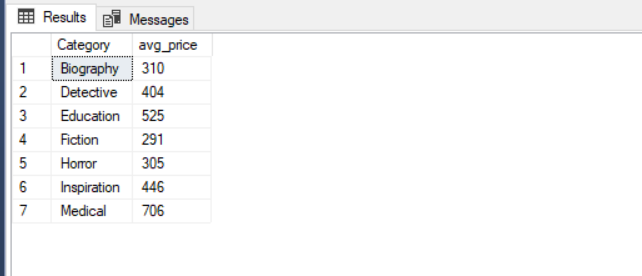


1. Average price of books in each category.

select Category, avg (Price) as avg\_price

from Book

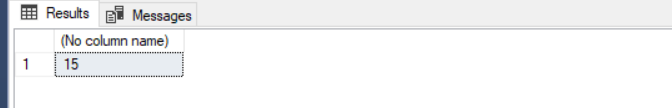
group by Category;



1. Total number of Issue books by students.

select count (\*)

from Issue\_book;

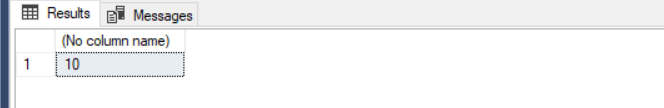


1. Total number of students who issued the books in the year of 2018.

select count(distinct Student\_id)

from Issue\_book

where (select Year(Issue\_date)) = '2018';

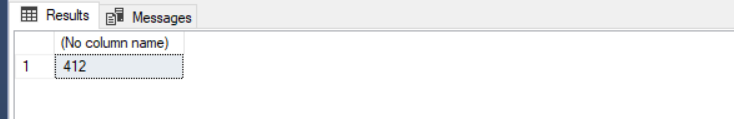


1. Average price of book in the DYD publication.

select avg (price)

from Book

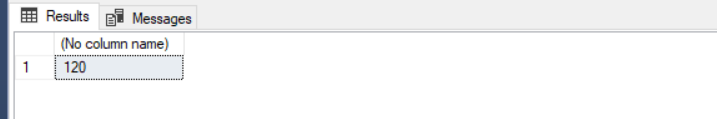
where Publication= 'DYD';



1. Minimum price of book.

select min (price)

from Book;

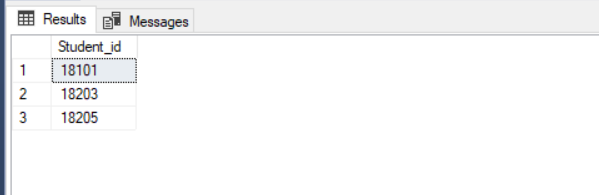


1. Students whose are not return their books.

select Student\_id\_

from Issue\_book\_

where Return\_date is null;



1. Maximum price of books in detective category.

select max (price)

from Book

where Category='detective';

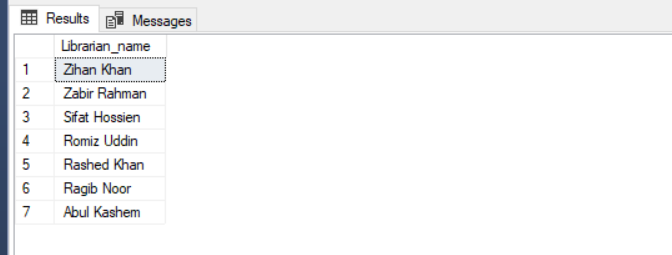


1. List in descending alphabetic order the names of all librarian.

select distinct Librarian\_name

from Librarian

order by Librarian\_name desc

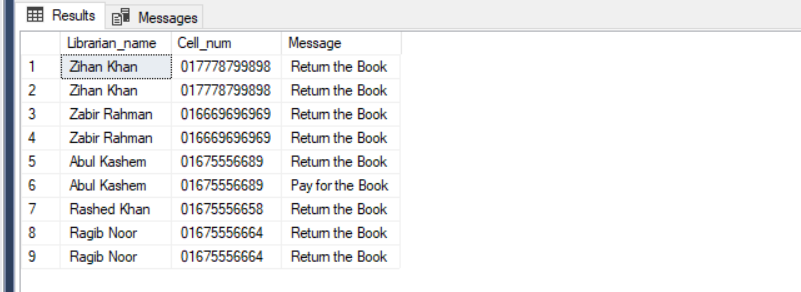


1. Names, contact number of all librarian who have sent some message and the message.

select Librarian\_name,Cell\_num,Message\_

from Librarian, Email

where Librarian.Librarian\_id=Email.Librarian\_id;



1. Names of all books where price is greater than the price of books in the fiction category.

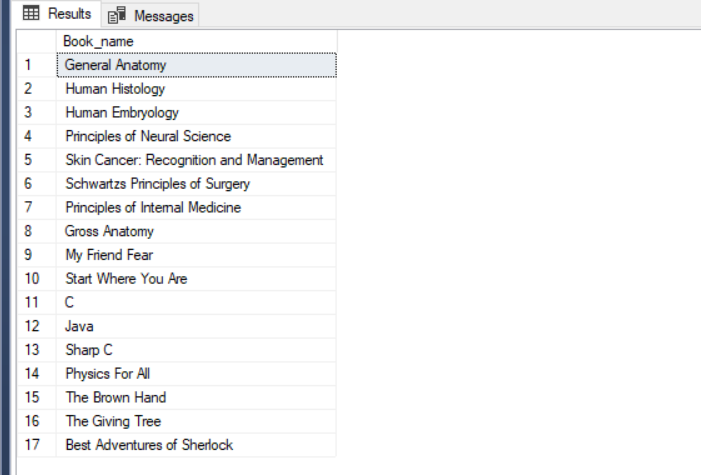
select Book\_name

from Book

where price > all (select Price

from Book

where Category = 'fiction');



1. All categories where the total price of books is greater than the average of the total price at all categories.

with category\_total (Category, value) as

(select Category, sum(Price)

from Book

group by Category),

category\_total\_avg(value) as

(select avg(value)

from category\_total)

select Category

from category\_total, category\_total\_avg

where category\_total.value > category\_total\_avg.value;

