

## Exercise 1: SQL Basics - Select statement

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**Task 1:** Fetch titles of all movies produced in 1998 or 1999

Expected result:

title
Ronin
Analyze This

**Task 2:** Fetch title and price of all movies with price exceeding 9. Order results ascending by price.

Expected result:

title	price
Ronin	9,5
Star Wars Episode IV: A New Hope	10
Analyze This	10,5

**Task 3:** Fetch last names of all clients with first name 'Lisa'

Expected result:

last_name
Simpson

**Task 4:** Fetch first and last names of all clients with last name longer by at least three characters than first name

Expected result:

first_name	last_name
Gary	Goodspeed
Bob	Belcher

**Task 5:** Display last names of all actors with first names Arnold, Tom and Jodie. Results should be presented in descending order

Expected result:

last_name
Schwarzenegger
Foster
Cruise
Berenger

**Task 6:** Display IDs of all movies with copies available for rent. Eliminate duplicates. Present the results in ascending order

	<u>copy_id</u>
	1
	3
	4
	6
	7
	9
Expected result:	11
	12
	13
	15
	16
	18
	19
	20

**Task 7:** Display the IDs of all copies, that were rented between 2005-07-15 and 2005-07-22. Eliminate duplicates. Present the results in ascending order

	<u>copy_id</u>
Expected result:	3
	6
	20

**Task 8:** Display IDs and rent time (in days) of all copies, that were rented for more than one day

	<u>copy_id</u>	<u>rent_time</u>
	6	3 days
Expected result:	12	3 days
	13	4 days
	11	3 days

**Task 9:** Display all actors in the following form: first letter of first name, dot, space, last name

	<b>actor</b>
	A. Schwarzenegger
	A. Daniels
	H. Ford
	C. Fisher
	A. Guinness
	P. Cushing
	D. Prowse
	P. Mayhew
	M. Biehn
	L. Hamilton
	B. Murray
	D. Aykroyd
	S. Weaver
Expected result:	R. De Niro
	J. Foster
	H. Keitel
	C. Shepherd
	T. Berenger
	W. Dafoe
	C. Sheen
	H. Ford
	E. Seigner
	J. Reno
	B. Crystal
	L. Kudrow
	G. Oldman
	N. Portman
	T. Cruise

**Task 10:** Display titles of all movies, ordered from shortest to longest title

	<b>title</b>
	Ronin
	Platoon
	Frantic
	Terminator
Expected result:	Taxi Driver
	Analyze This
	Ghostbusters
	Mission Impossible
	Leon: the Professional
	Star Wars Episode IV: A New Hope

**Task 11:** Display title and price of three newest movies

Expected result:	title	price
	Taxi Driver	5
	Star Wars Episode IV: A New Hope	10
	Terminator	8,5

**Task 12:** For all clients display: first name, first letter of first name, last letter of first name. Columns should have titles as below

Expected result:	name	first	last
	Hank	H	k
	Brian	B	n
	Gary	G	y
	Bob	B	b
	Lisa	L	a
	Rick	R	k

**Task 13:** Display the names of clients, whose first and last letter of name are the same. Ignore the case, eliminate duplicates

Expected result:	first_name
	Bob

**Task 14:** Display movie titles, with second to last letter 'o'

Expected result:	title
	Terminator
	Platoon

**Task 15:** For every client display its email address constructed in the following way: lowercase first name, dot, lowercase last name, '@wsb.pl'

Expected result:	email
	hank.hill@wsb.pl
	brian.griffin@wsb.pl
	gary.goodspeed@wsb.pl
	bob.belcher@wsb.pl
	lisa.simpson@wsb.pl
	rick.sanchez@wsb.pl