**Agentie de turism**

CREATE TABLE `clienti\_agentie` (

  `cod\_clienti` int(7) NOT NULL,

  `cod\_rezervari` int(7) NOT NULL,

  `nume\_clienti` varchar(50) NOT NULL,

  `prenume\_clienti` varchar(50) NOT NULL,

  `email\_clienti` varchar(50) NOT NULL,

  `telefon\_clienti` char(10) NOT NULL,

  `oras\_clienti` varchar(50) NOT NULL,

  `judet\_clienti` varchar(50) NOT NULL

INSERT INTO `clienti\_agentie` (`cod\_clienti`, `cod\_rezervari`, `nume\_clienti`, `prenume\_clienti`, `email\_clienti`, `telefon\_clienti`, `oras\_clienti`, `judet\_clienti`) VALUES

(516, 1006, 'Vladu', 'Anca', 'ancavladu79@yahoo.com', '0769841265', 'Sibiu', 'Sibiu'),

(1001, 201, 'Popescu', 'Simona', 'popescusimona99@yahoo.com', '0721356987', 'Craiova', 'Dolj'),

(1002, 512, 'Popa', 'Andreea', 'popaluminita76@yahoo.com', '0765221489', 'Constanta', 'Constanta'),

(1003, 513, 'Iordache', 'Alexandra', 'iordachealexandra98@yahoo.com', '0754886532', 'Slatina', 'Olt'),

(1004, 514, 'Radulescu', 'Florin', 'florinradulescu97@yahoo.com', '0769874421', 'Bucuresti', 'Bucuresti'),

(1005, 515, 'Florescu', 'Alina', 'florescualina98@yahoo.com', '0732416987', 'Timisoara', 'Timis');

CREATE TABLE `rezervari` (

`cod\_rezervari` int(7) NOT NULL,

`cod\_pachete` int(7) NOT NULL,

`cod\_clienti` int(7) NOT NULL,

`data\_plecare` datetime NOT NULL,

`data\_sosire` datetime NOT NULL,

`pret\_rezervari` int(7) NOT NULL,

`avans\_rezervari` int(7) NOT NULL

INSERT INTO `rezervari` (`cod\_rezervari`, `cod\_pachete`, `cod\_clienti`, `data\_plecare`, `data\_sosire`, `pret\_rezervari`, `avans\_rezervari`) VALUES

(201, 1, 1001, '2022-06-01 17:31:24', '2022-06-01 17:31:24', 970, 485),

(512, 2, 1002, '2022-02-28 19:46:15', '2022-03-06 19:46:15', 5400, 10800),

(513, 3, 1003, '2022-02-24 12:48:31', '2022-02-28 12:48:31', 2320, 1160),

(514, 4, 1004, '2021-07-18 12:50:13', '2021-07-25 14:00:00', 21000, 10000),

(515, 5, 1005, '2021-12-21 12:00:00', '2022-06-01 13:00:00', 7920, 4500),

(1006, 6, 516, '2022-03-22 13:00:00', '2022-03-25 11:00:00', 4500, 1500);

--

-- Indexes for dumped tables

--

--

-- Indexes for table `clienti\_agentie`

--

ALTER TABLE `clienti\_agentie`

ADD PRIMARY KEY (`cod\_clienti`),

ADD KEY `cod\_rezervari` (`cod\_rezervari`);

--

-- Indexes for table `pachete`

--

ALTER TABLE `pachete`

ADD PRIMARY KEY (`cod\_pachete`),

ADD KEY `cod\_clienti` (`cod\_clienti`);

--

-- Indexes for table `rezervari`

--

ALTER TABLE `rezervari`

ADD PRIMARY KEY (`cod\_rezervari`),

ADD KEY `cod\_pachete` (`cod\_pachete`,`cod\_clienti`),

ADD KEY `cod\_clienti` (`cod\_clienti`);

--

-- AUTO\_INCREMENT for dumped tables

--

--

-- AUTO\_INCREMENT for table `clienti\_agentie`

--

ALTER TABLE `clienti\_agentie`

MODIFY `cod\_clienti` int(7) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=1006;

--

-- AUTO\_INCREMENT for table `pachete`

--

ALTER TABLE `pachete`

MODIFY `cod\_pachete` int(7) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=7;

--

-- Constraints for dumped tables

--

--

-- Constraints for table `pachete`

--

ALTER TABLE `pachete`

ADD CONSTRAINT `pachete\_ibfk\_1` FOREIGN KEY (`cod\_clienti`) REFERENCES `clienti\_agentie` (`cod\_clienti`);

--

-- Constraints for table `rezervari`

--

ALTER TABLE `rezervari`

ADD CONSTRAINT `rezervari\_ibfk\_1` FOREIGN KEY (`cod\_pachete`) REFERENCES `pachete` (`cod\_pachete`),

ADD CONSTRAINT `rezervari\_ibfk\_2` FOREIGN KEY (`cod\_rezervari`) REFERENCES `clienti\_agentie` (`cod\_rezervari`),

ADD CONSTRAINT `rezervari\_ibfk\_3` FOREIGN KEY (`cod\_clienti`) REFERENCES `clienti\_agentie` (`cod\_clienti`);

COMMIT;

CREATE TABLE `pachete` (

  `cod\_pachete` int(7) NOT NULL,

  `cod\_clienti` int(7) NOT NULL,

  `destinatie` varchar(50) NOT NULL,

  `data\_inceput` datetime NOT NULL,

  `data\_sfarsit` datetime NOT NULL,

  `denumire\_hotel` varchar(50) NOT NULL,

  `transport` varchar(50) NOT NULL,

  `numar\_persoane` varchar(50) NOT NULL,

  `numar\_nopti\_cazare` varchar(50) NOT NULL,

  `pret\_noapte` int(7) NOT NULL

INSERT INTO `pachete` (`cod\_pachete`, `cod\_clienti`, `destinatie`, `data\_inceput`, `data\_sfarsit`, `denumire\_hotel`, `transport`, `numar\_persoane`, `numar\_nopti\_cazare`, `pret\_noapte`) VALUES

(1, 1001, 'Mamaia', '2022-05-10 12:39:53', '2022-05-14 14:08:23', 'Iaki', 'masina personala', '2', '4', 485),

(2, 1002, 'Barcelona', '2022-02-28 12:12:59', '2022-03-06 13:12:59', 'La Rambla', 'avion', '2', '6', 900),

(3, 1003, 'Londra', '2022-02-24 16:15:14', '2022-02-28 12:00:00', 'Ritz London', 'avion', '2', '3', 580),

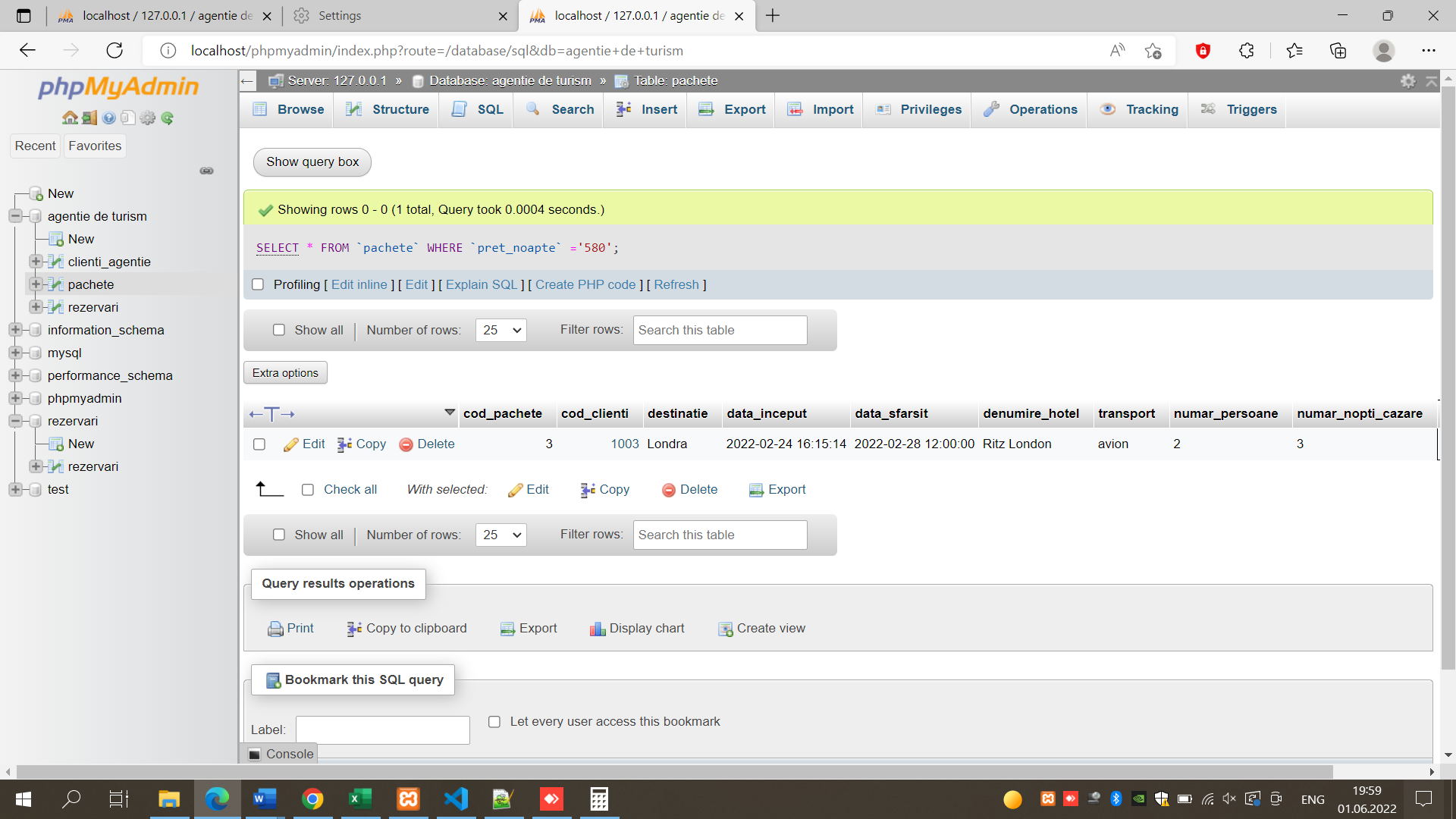
(4, 1005, 'Lisabona', '2021-07-18 15:30:51', '2021-07-25 12:08:51', 'Lisboa Bon Dia', 'avion', '4', '7', 750),

(5, 1004, 'Brasov', '2021-12-21 14:11:12', '2021-12-23 11:10:12', 'Alpin', 'masina personala', '6', '2', 660),

(6, 516, 'Milano', '2022-03-22 17:13:21', '2022-03-25 12:20:21', 'Milano Grande Italia', 'avion', '3', '3', 150);

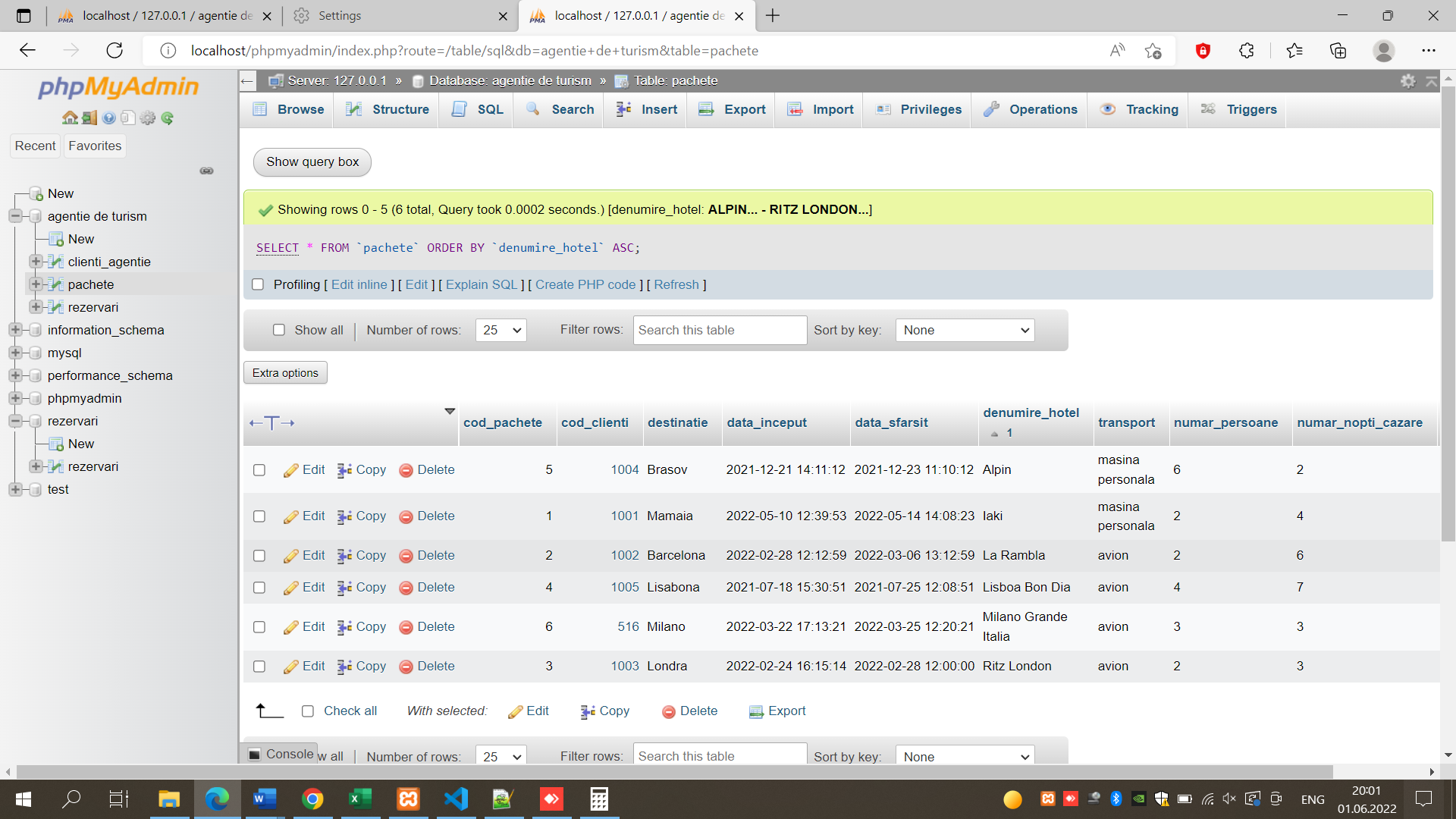
Operatia de filtrare;

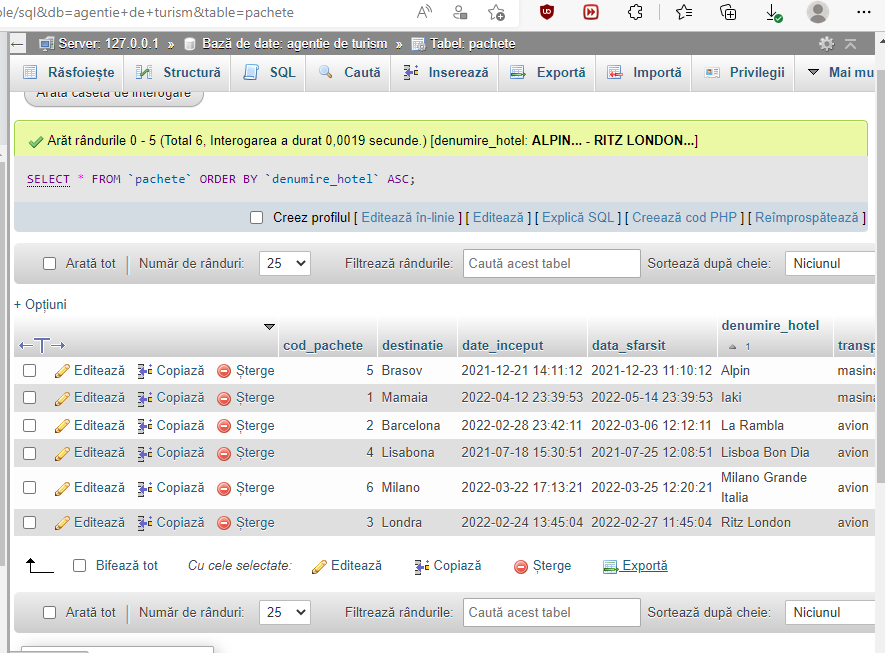
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `pachete` WHERE `pret\_noapte` ='580';



OPERATIA DE SORTARE;

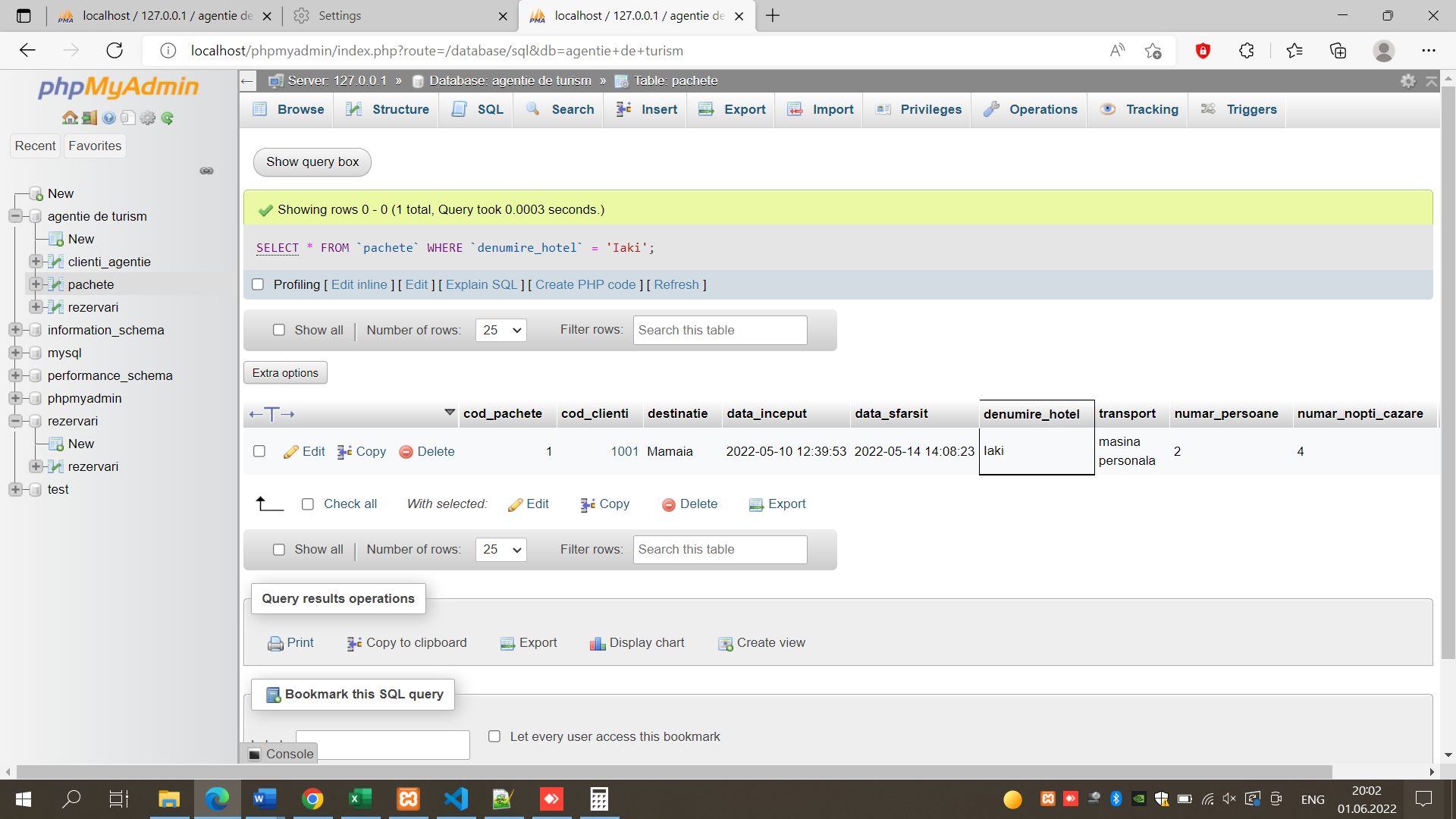
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `pachete` ORDER BY `denumire\_hotel` ASC;





INTEROGARE PRIN PSEUDONIME;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `pachete` WHERE `denumire\_hotel` = 'Iaki';

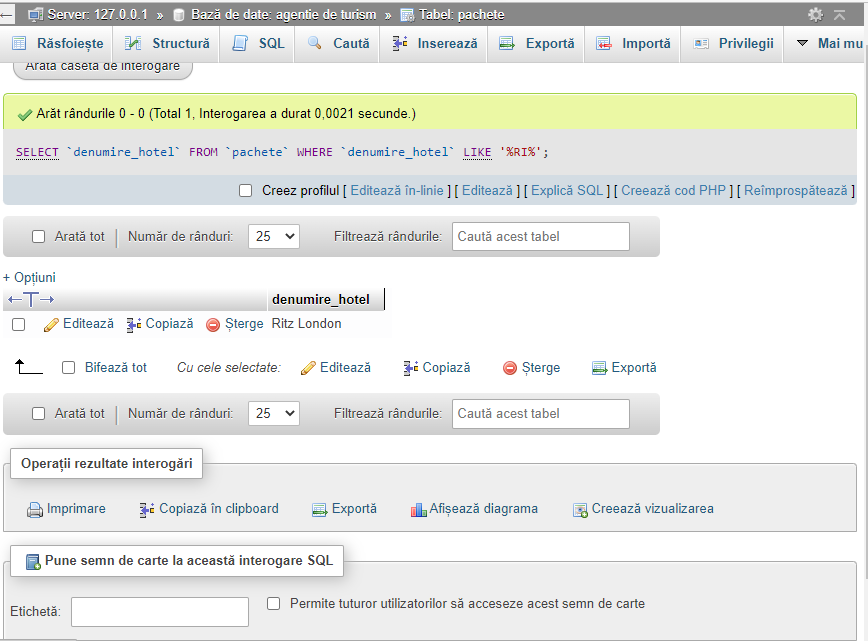


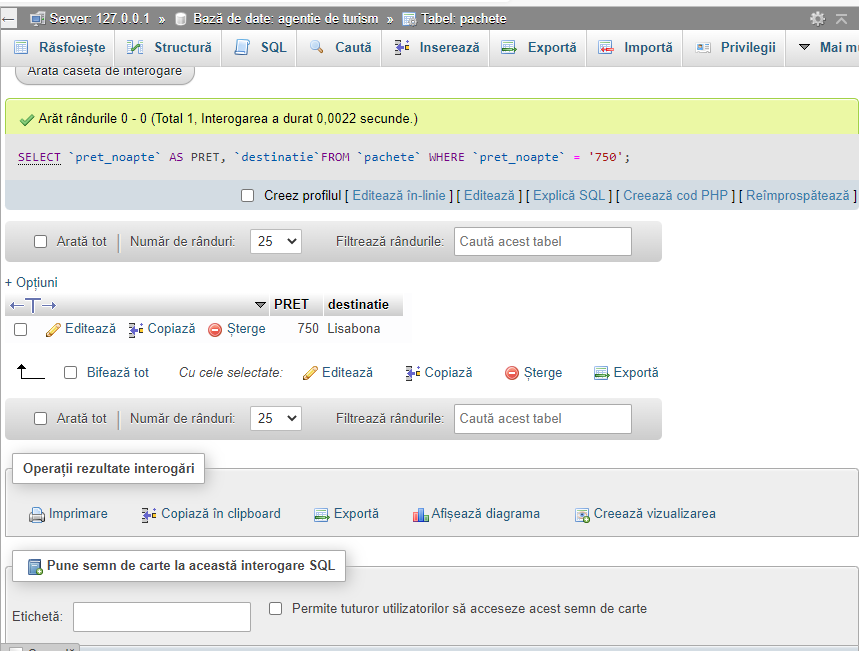
Operatia de comparare;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) `pret\_noapte` AS PRET, `destinatie`FROM `pachete` WHERE `pret\_noapte` = '750';

OPERATORUL LIKE;

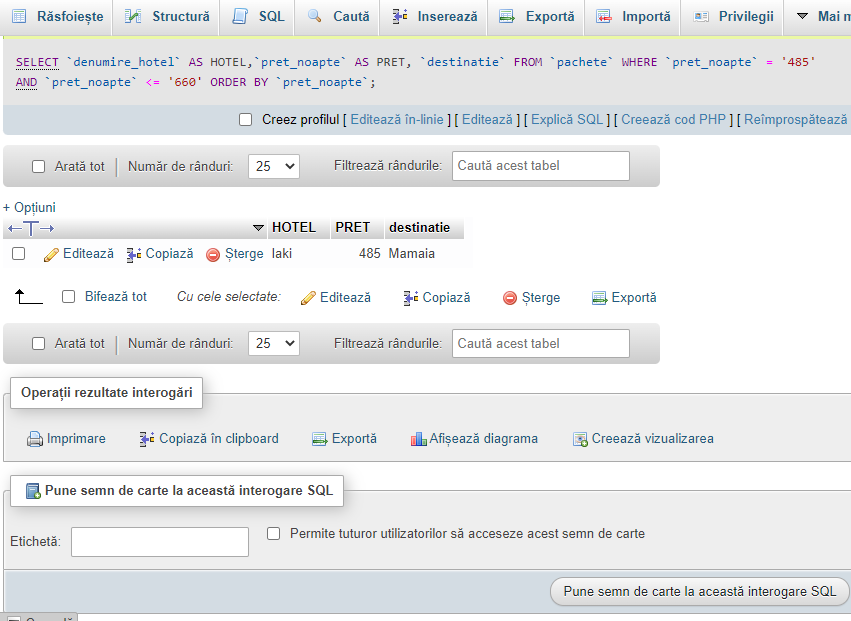
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) `denumire\_hotel` FROM `pachete` WHERE `denumire\_hotel` [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) '%RI%';





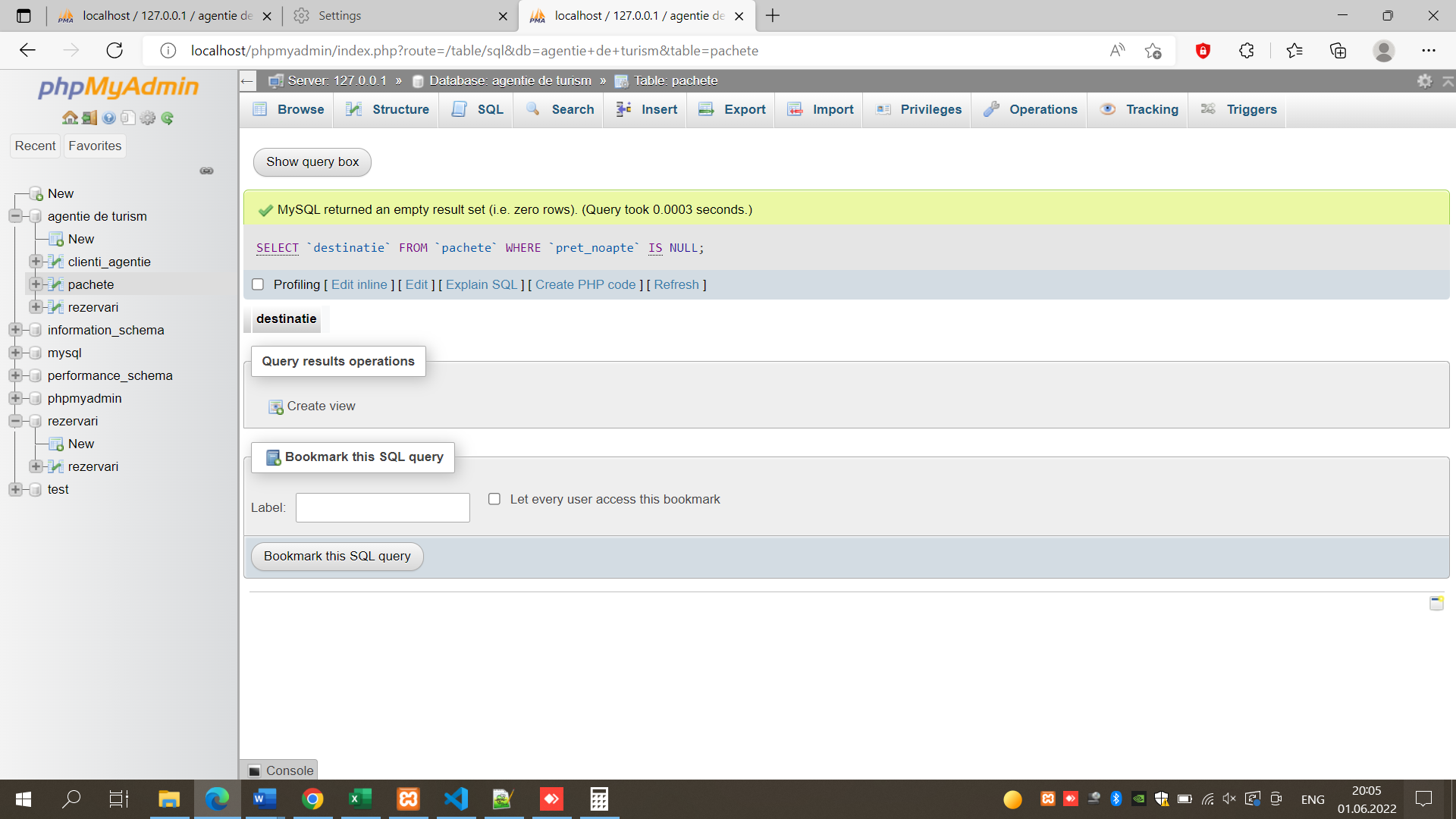
OPERATORI LOGICI;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) `denumire\_hotel` AS HOTEL,`pret\_noapte` AS PRET, `destinatie` FROM `pachete` WHERE `pret\_noapte` = '485' [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) `pret\_noapte` <= '660' ORDER BY `pret\_noapte`;



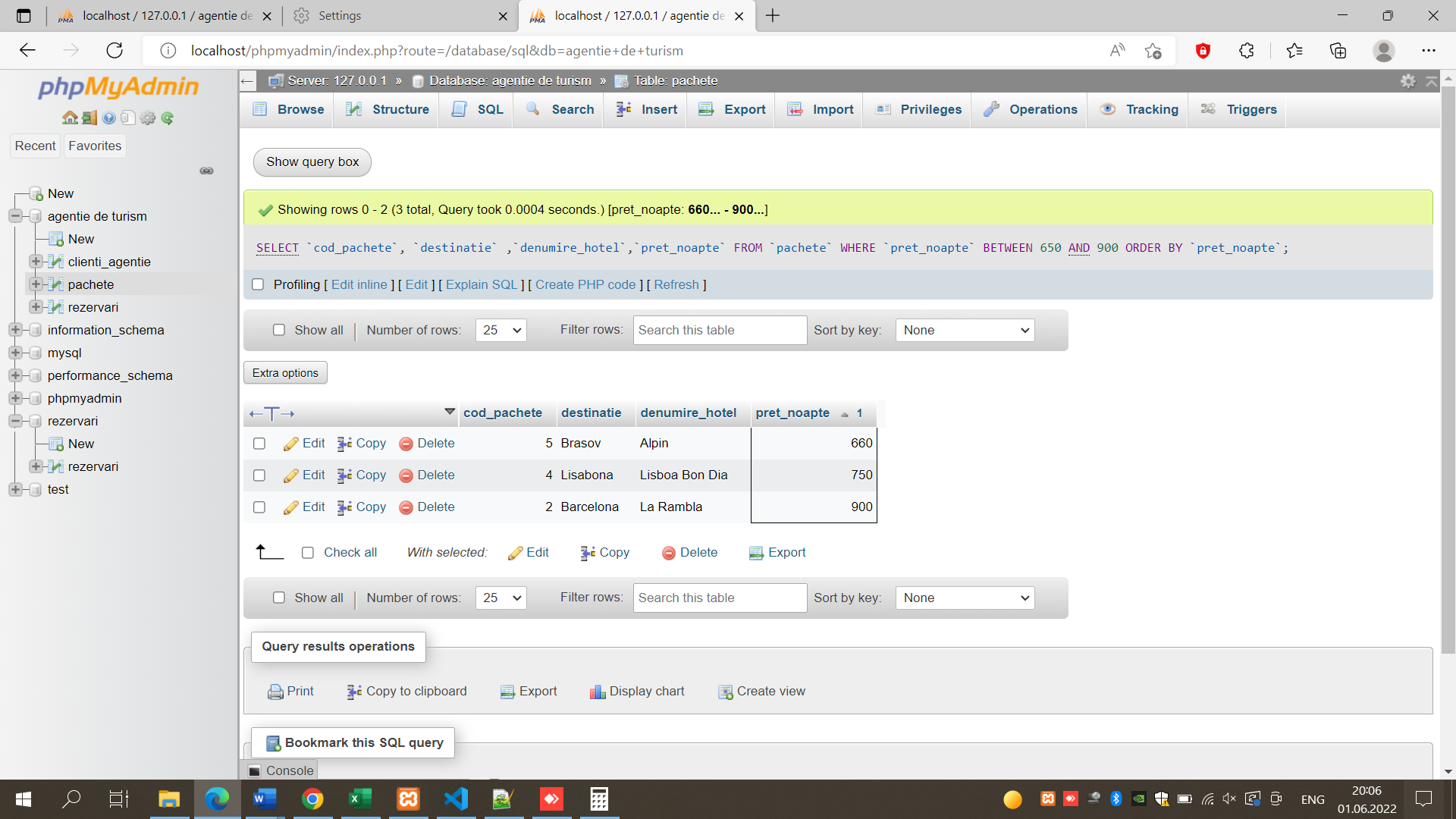
OPERATORUL NULL;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) `destinatie` FROM `pachete` WHERE `pret\_noapte` [IS](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) NULL;



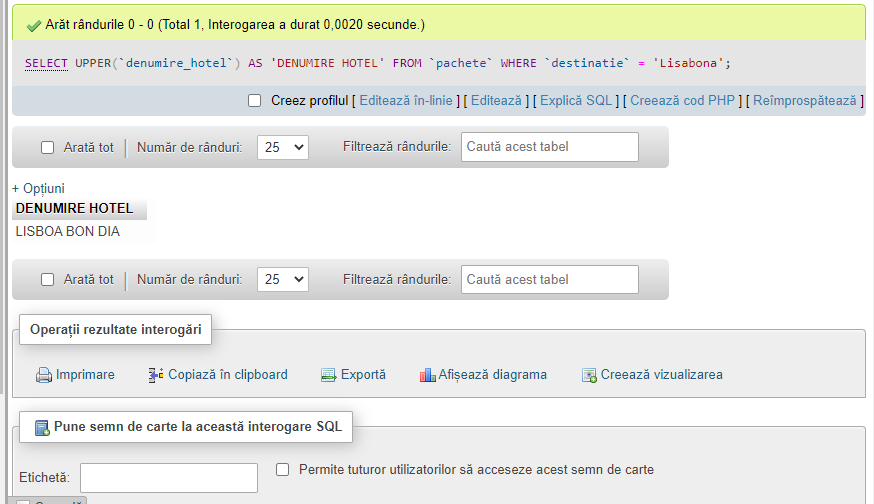
OPERATORUL BETWEEN;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) `cod\_pachete`, `destinatie` ,`denumire\_hotel`,`pret\_noapte` FROM `pachete` WHERE `pret\_noapte` BETWEEN 650 [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) 900 ORDER BY `pret\_noapte`;



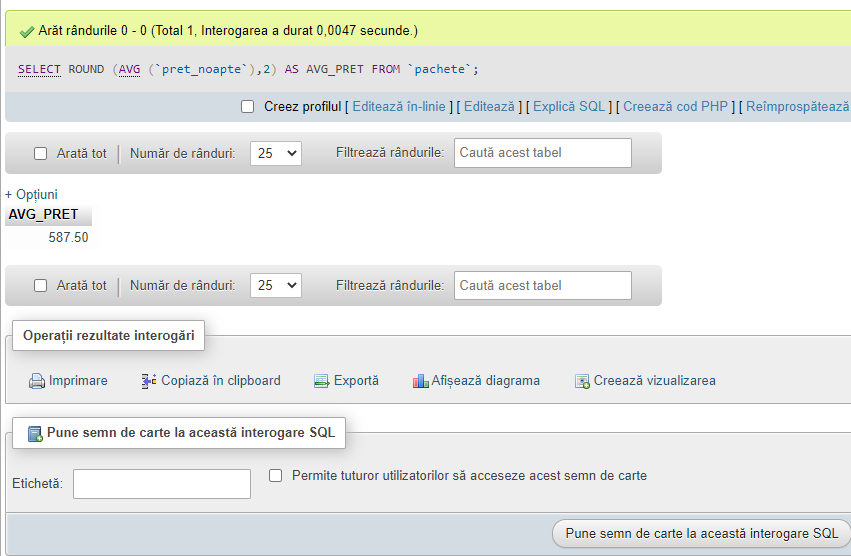
FUNCTII PENTRU CARACTERE;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) UPPER(`denumire\_hotel`) AS 'DENUMIRE HOTEL' FROM `pachete` WHERE `destinatie` = 'Lisabona';



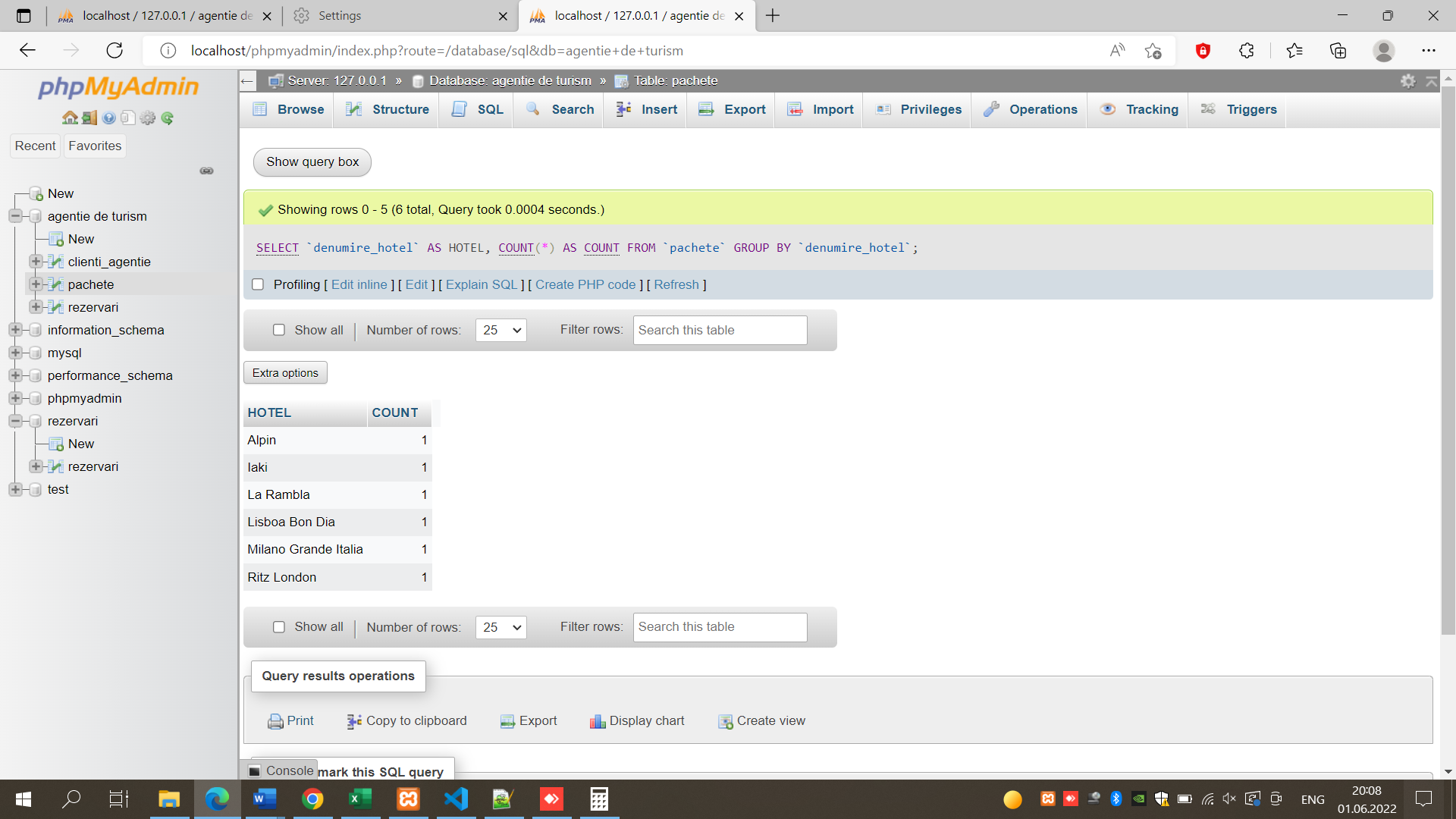
FUNCTII DE AGREGARE ;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) ROUND ([AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_avg) (`pret\_noapte`),2) AS AVG\_PRET FROM `pachete`;



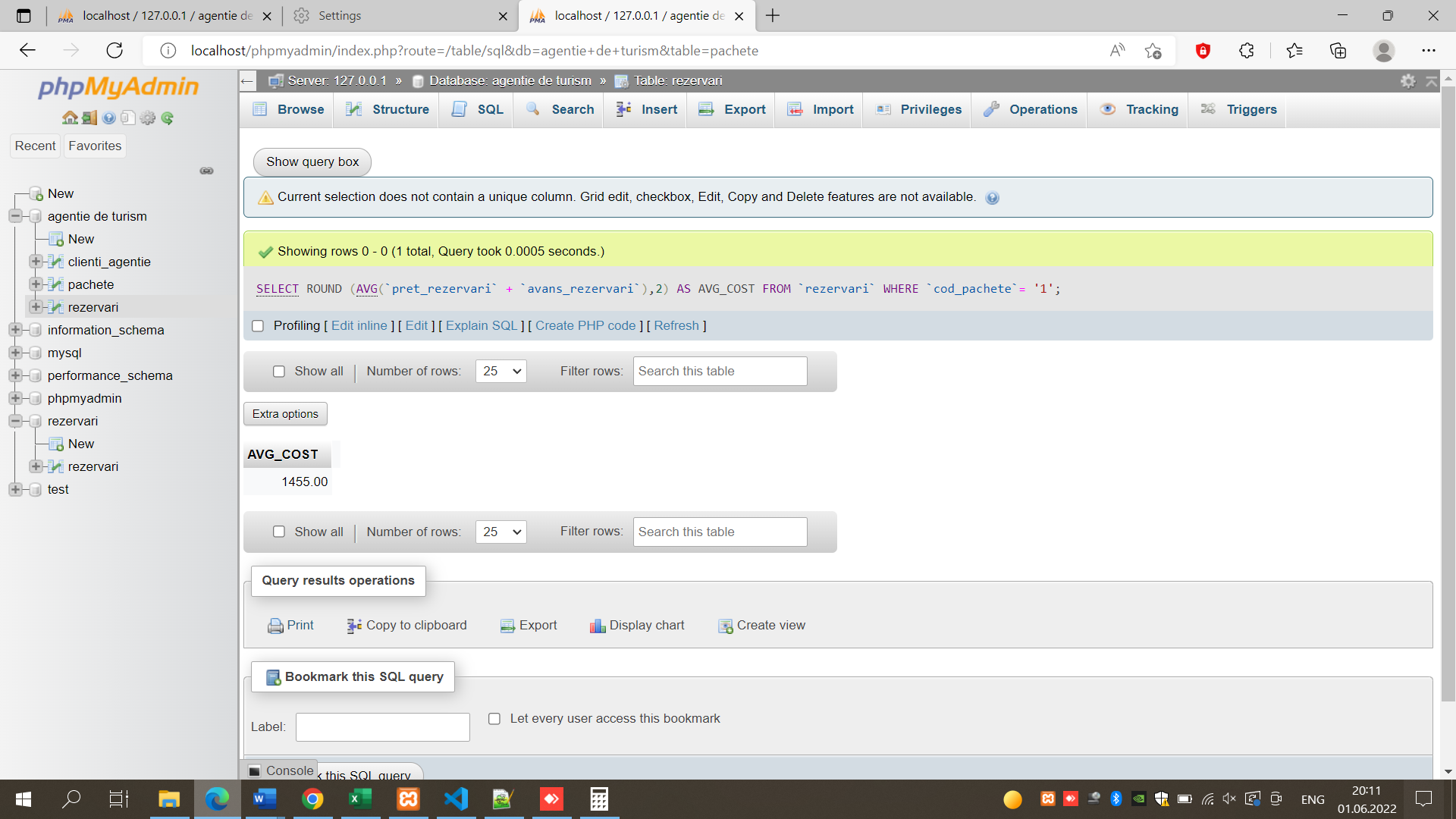
CLAUZA GROUP BY;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) `denumire\_hotel` AS HOTEL, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_count)(\*) AS [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_count) FROM `pachete` GROUP BY `denumire\_hotel`;



FUNCTII MATEMATICE ;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) ROUND ([AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_avg)(`pret\_rezervari` + `avans\_rezervari`),2) AS AVG\_COST FROM `rezervari` WHERE `cod\_pachete`= '1';

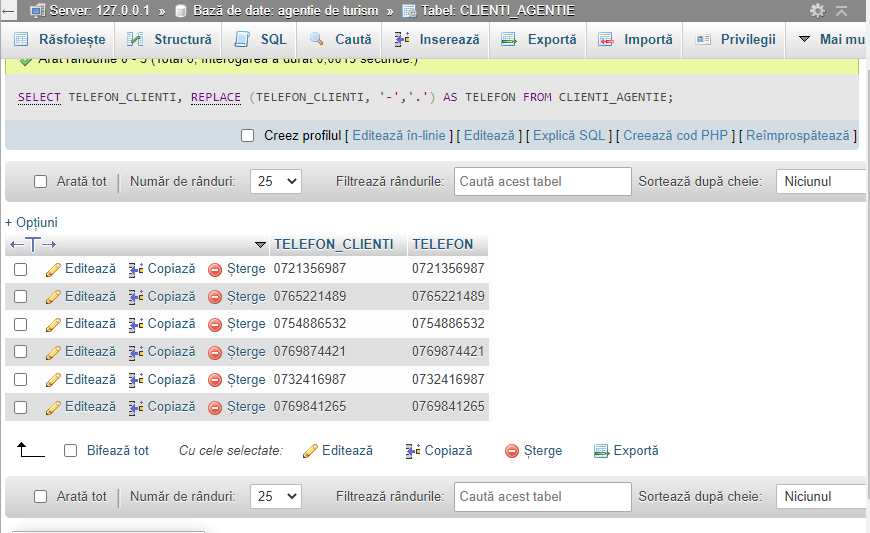




INTEROGARI AVANSATE;

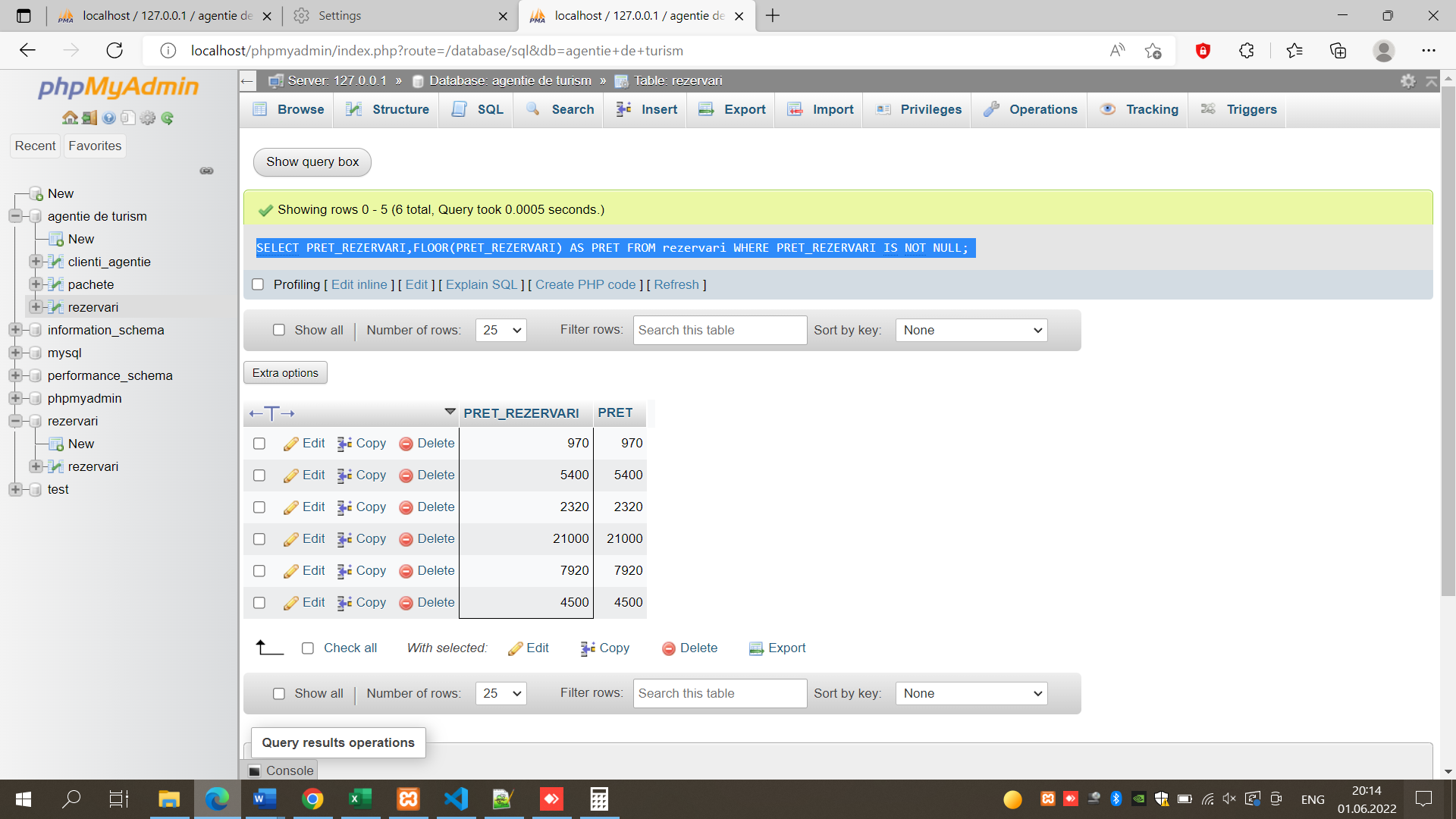
FUNCTIA REPLACE;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) TELEFON\_CLIENTI, [REPLACE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/replace.html) (TELEFON\_CLIENTI, '-','.') AS TELEFON FROM CLIENTI\_AGENTIE;



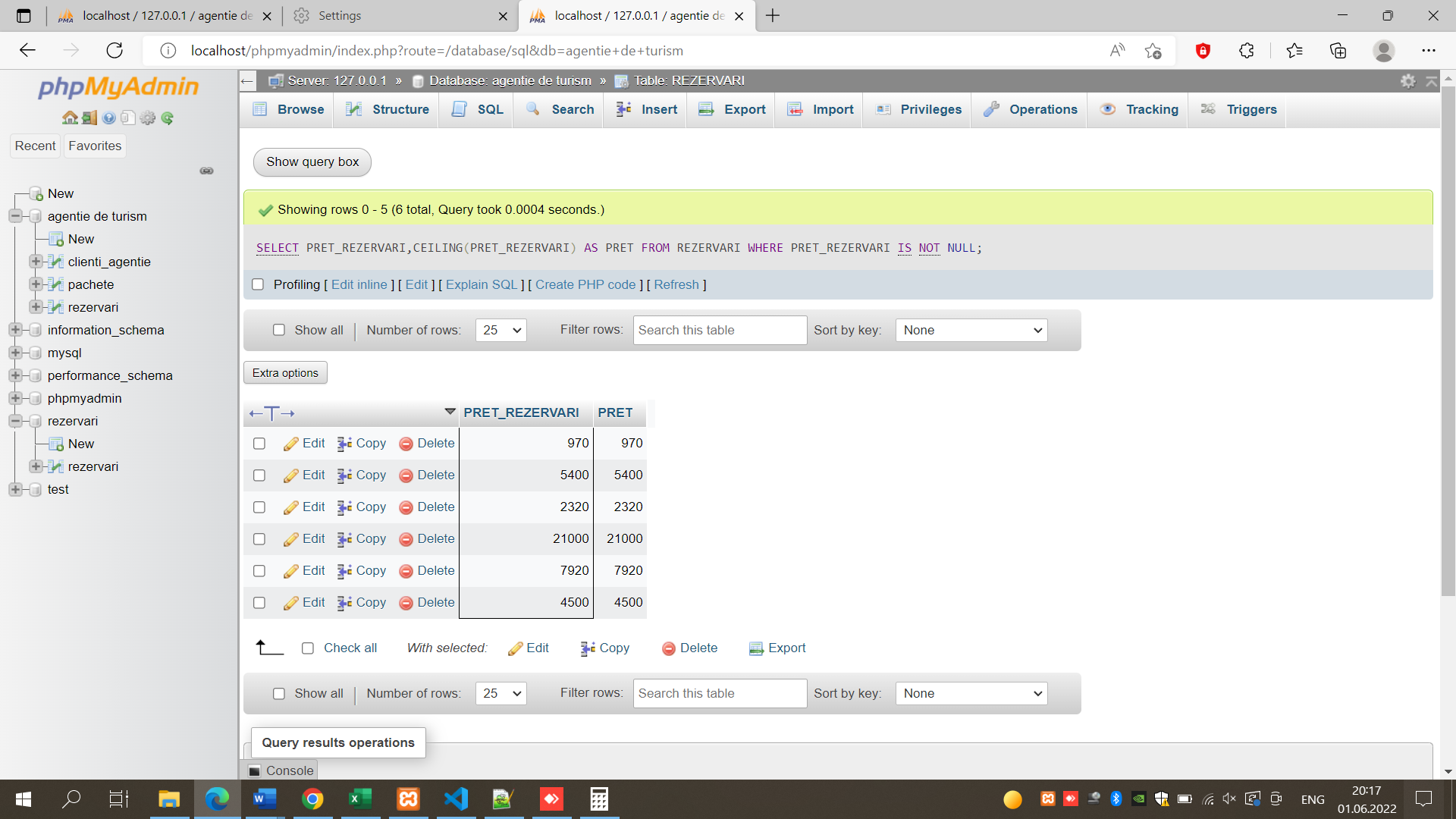
FUNCTIA FLOOR:

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) PRET\_REZERVARI,FLOOR(PRET\_REZERVARI) AS PRET FROM rezervari WHERE PRET\_REZERVARI [IS](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL;



FUNCTIA CEILING

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) PRET\_REZERVARI,CEILING(PRET\_REZERVARI) AS PRET FROM REZERVARI WHERE PRET\_REZERVARI [IS](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL;



FUNCTIA SQRT:

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) PRET\_REZERVARI,SQRT(PRET\_REZERVARI) AS PRET FROM REZERVARI WHERE PRET\_REZERVARI [IS](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL;



INNER JOIN:

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) NUME\_CLIENTI, PRENUME\_CLIENTI FROM clienti\_agentie INNER JOIN PACHETE USING (COD\_CLIENTI);

