Institute of Computer Technology

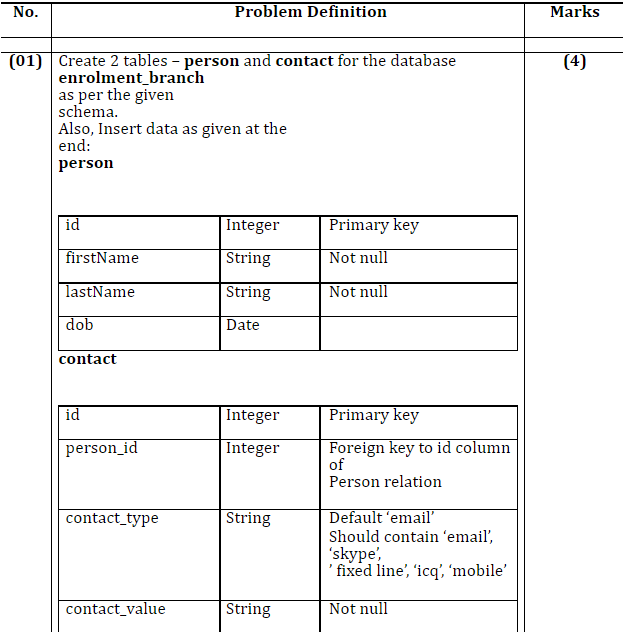
B. Tech Computer Science and Engineering

Subject: DBMS (2CSE301)

MIDSEM – 1

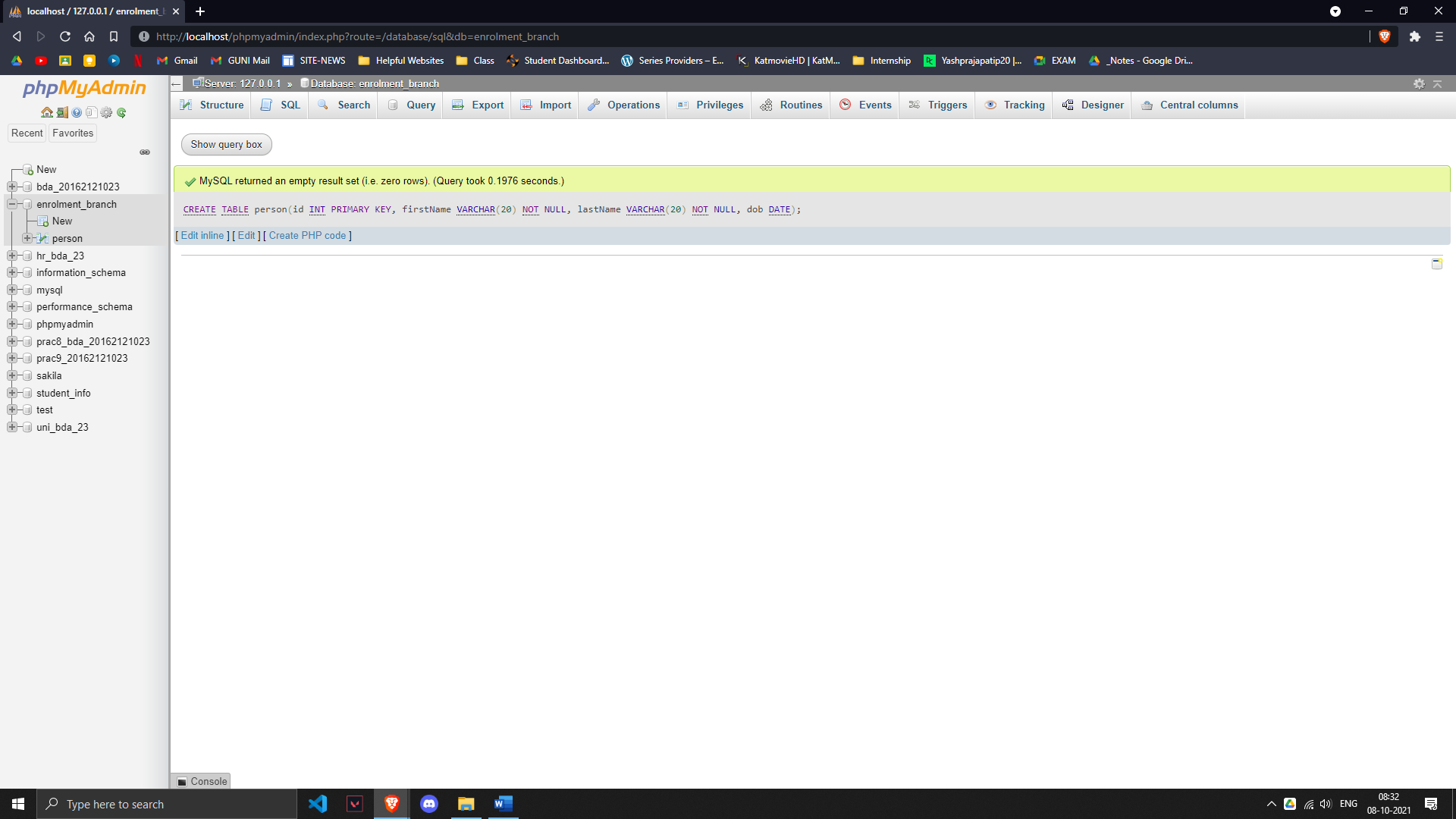
**PRACTICAL-EXAM**

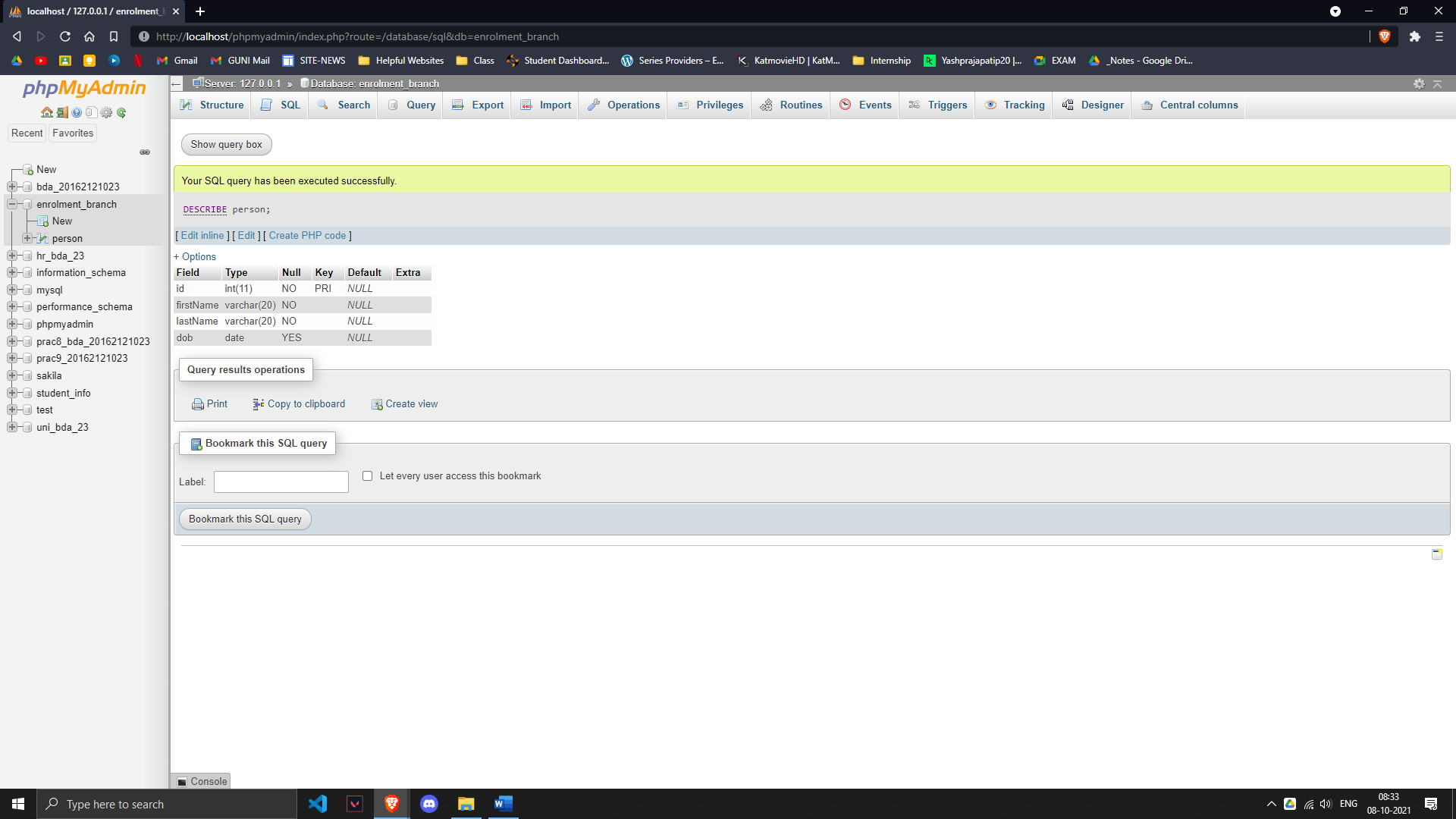
**Aim: Practical Definition**

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***QUERY (Table 1 - person)***

CREATE TABLE person(id INT PRIMARY KEY, firstName VARCHAR(20) NOT NULL, lastName VARCHAR(20) NOT NULL, dob DATE);

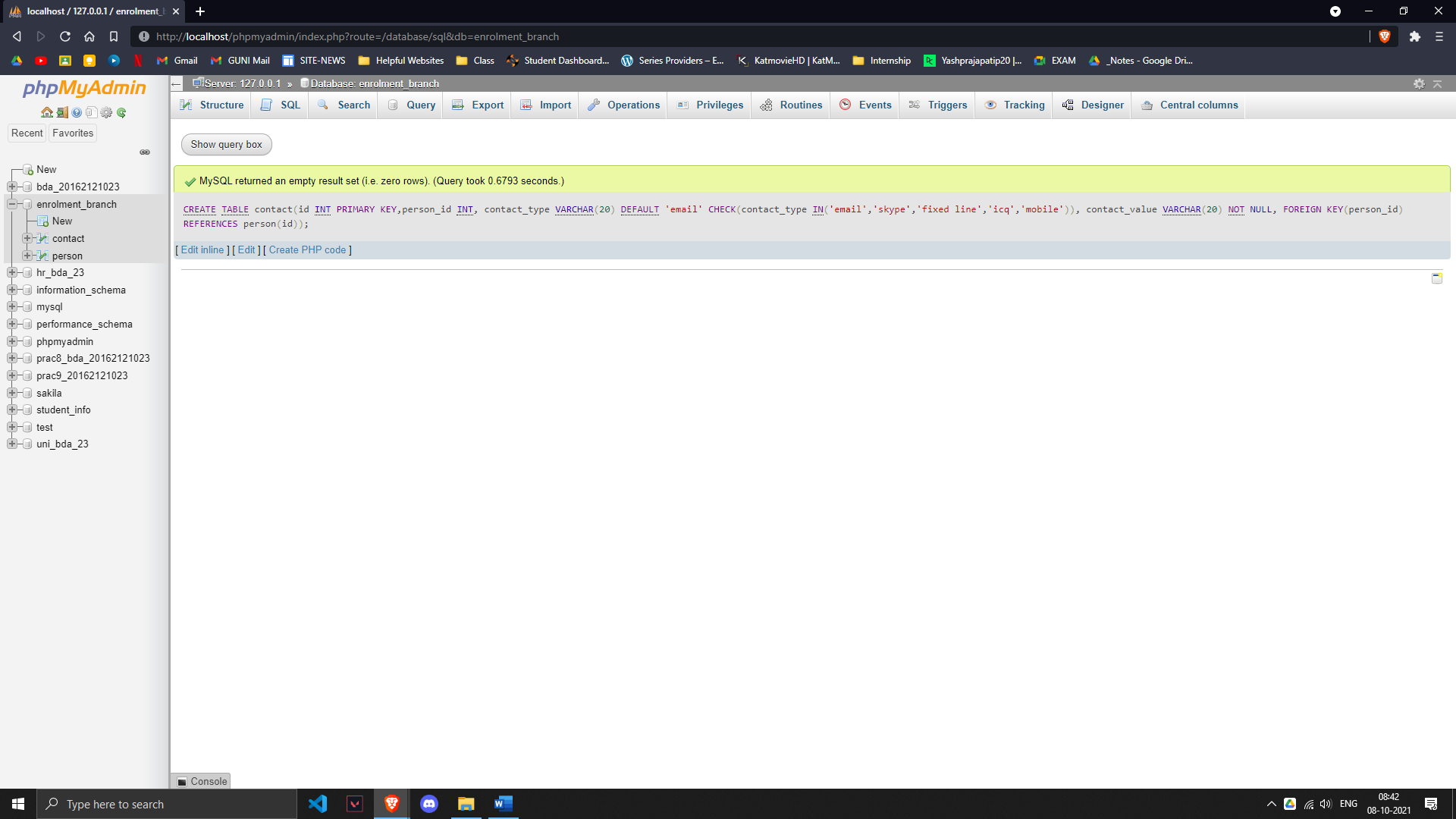
***OUTPUT***

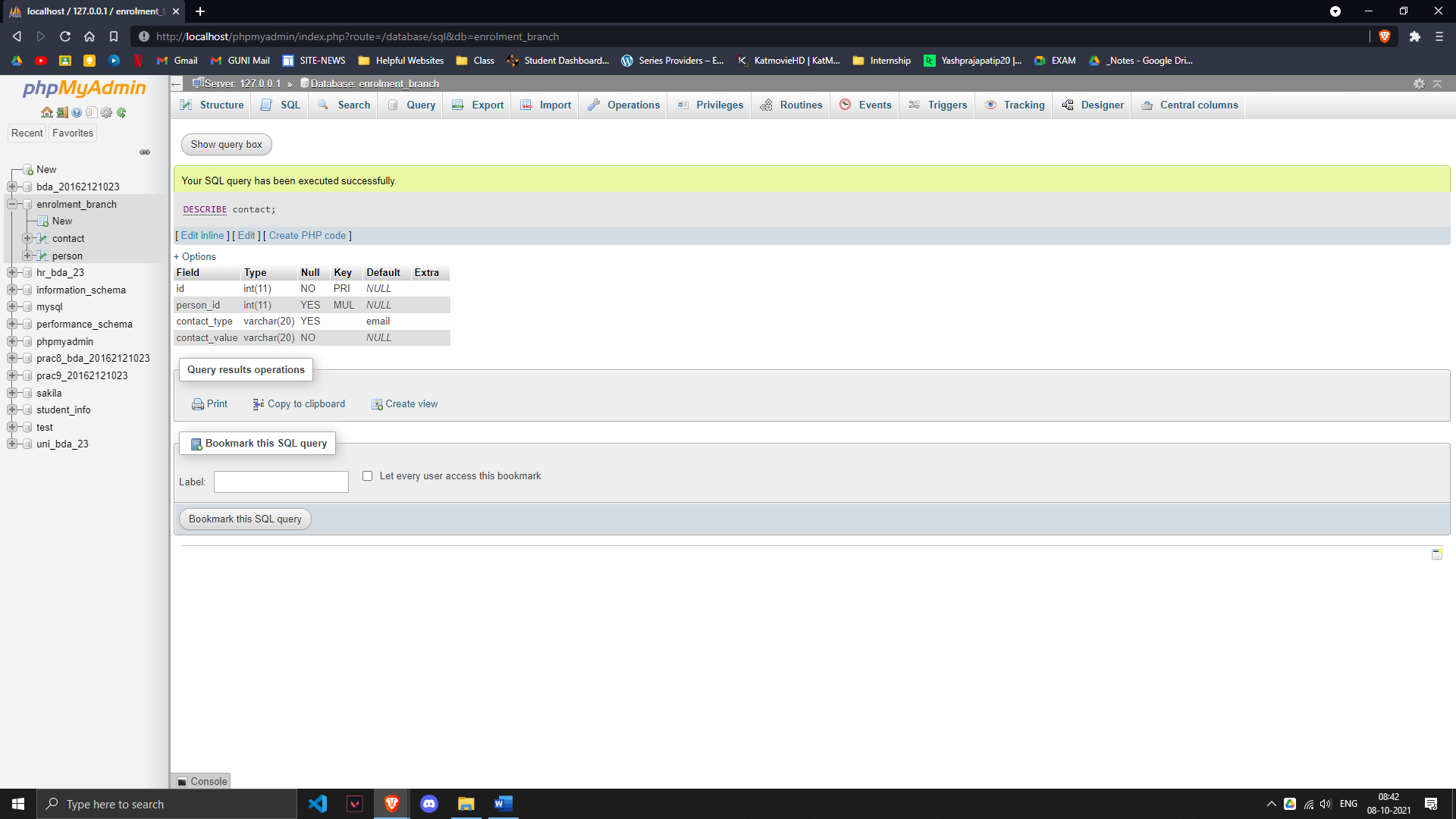


***QUERY (Table 2 - contact)***

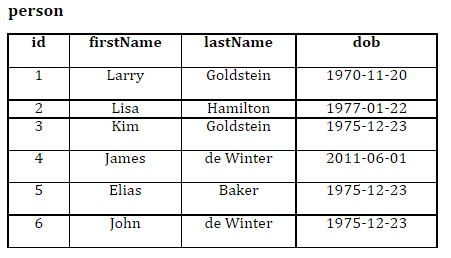
CREATE TABLE contact(id INT PRIMARY KEY,person\_id INT, contact\_type VARCHAR(20) DEFAULT 'email' CHECK(contact\_type IN('email','skype','fixed line','icq','mobile')), contact\_value VARCHAR(20) NOT NULL, FOREIGN KEY(person\_id) REFERENCES person(id));

***OUTPUT***





**DATE VALUES: -**

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***QUERY (Data of Table 1- person)***

INSERT INTO `person`(`id`, `firstName`, `lastName`, `dob`) VALUES ('1','Larry','Goldstein','1970-11-20');

INSERT INTO `person`(`id`, `firstName`, `lastName`, `dob`) VALUES ('2','Lisa','Hamilton','1977-01-22');

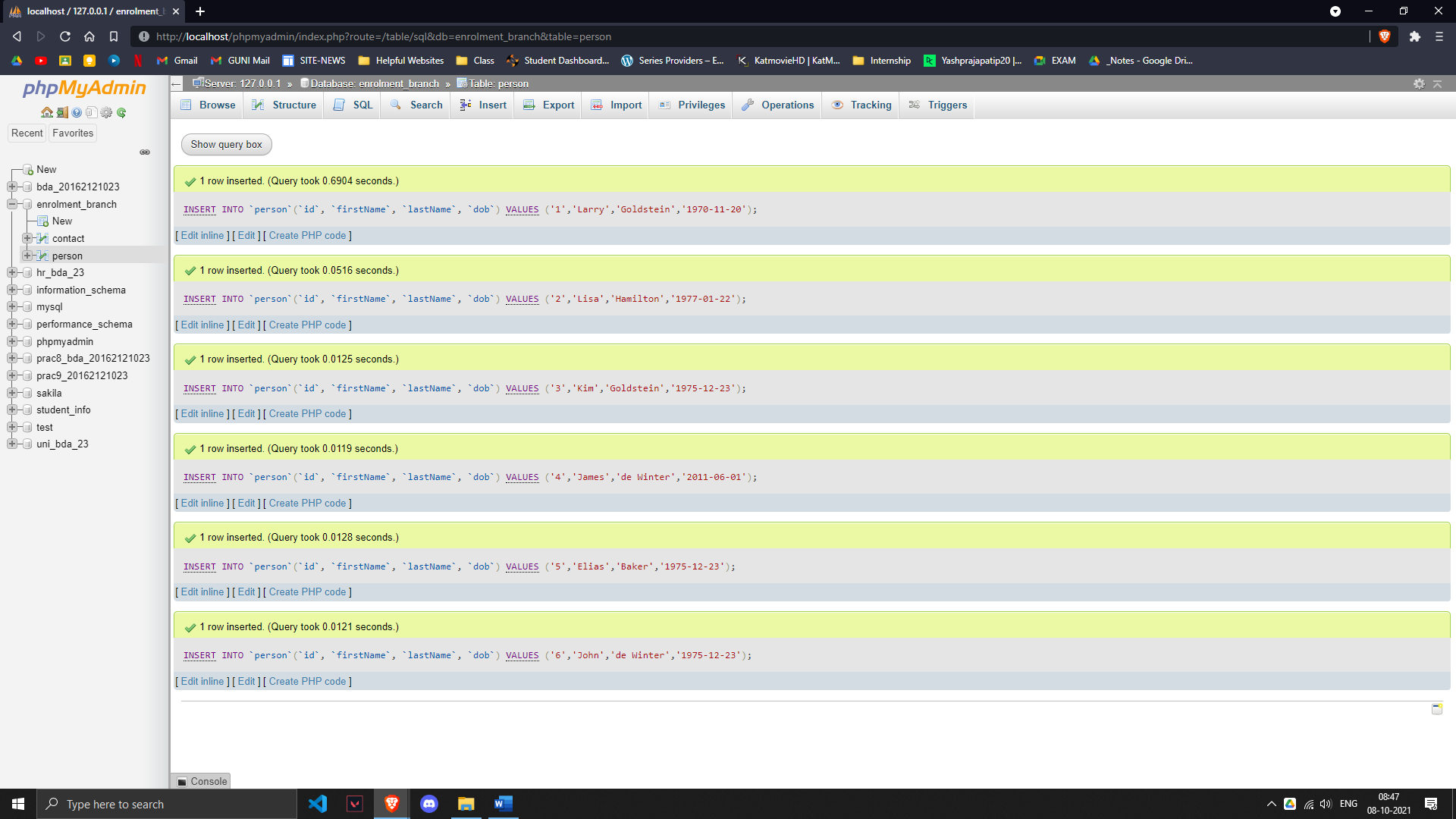
INSERT INTO `person`(`id`, `firstName`, `lastName`, `dob`) VALUES ('3','Kim','Goldstein','1975-12-23');

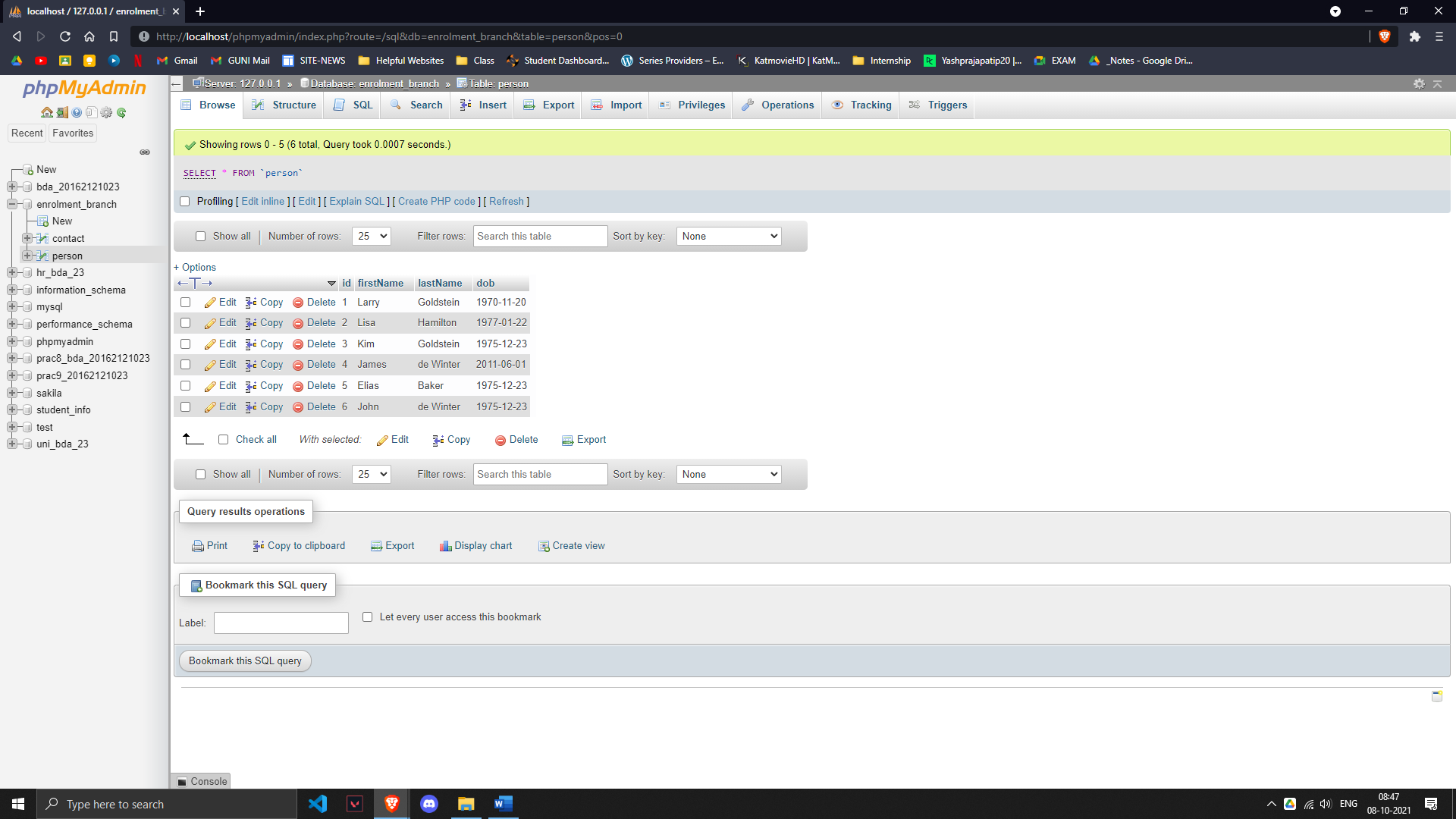
INSERT INTO `person`(`id`, `firstName`, `lastName`, `dob`) VALUES ('4','James','de Winter','2011-06-01');

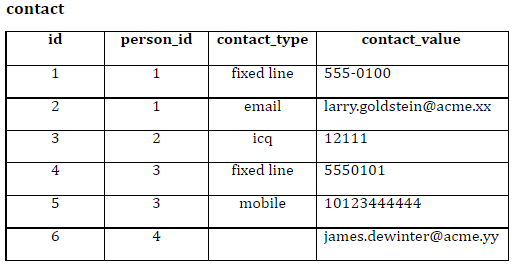
INSERT INTO `person`(`id`, `firstName`, `lastName`, `dob`) VALUES ('5','Elias','Baker','1975-12-23');

INSERT INTO `person`(`id`, `firstName`, `lastName`, `dob`) VALUES ('6','John','de Winter','1975-12-23');

***OUTPUT (Table 1)***





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***QUERY (Data of Table 2- person)***

INSERT INTO `contact`(`id`, `person\_id`, `contact\_type`, `contact\_value`) VALUES ('1','1','fixed line','555-0100');

INSERT INTO `contact`(`id`, `person\_id`, `contact\_type`, `contact\_value`) VALUES ('2','1','email','larry.goldstein@acme.xx');

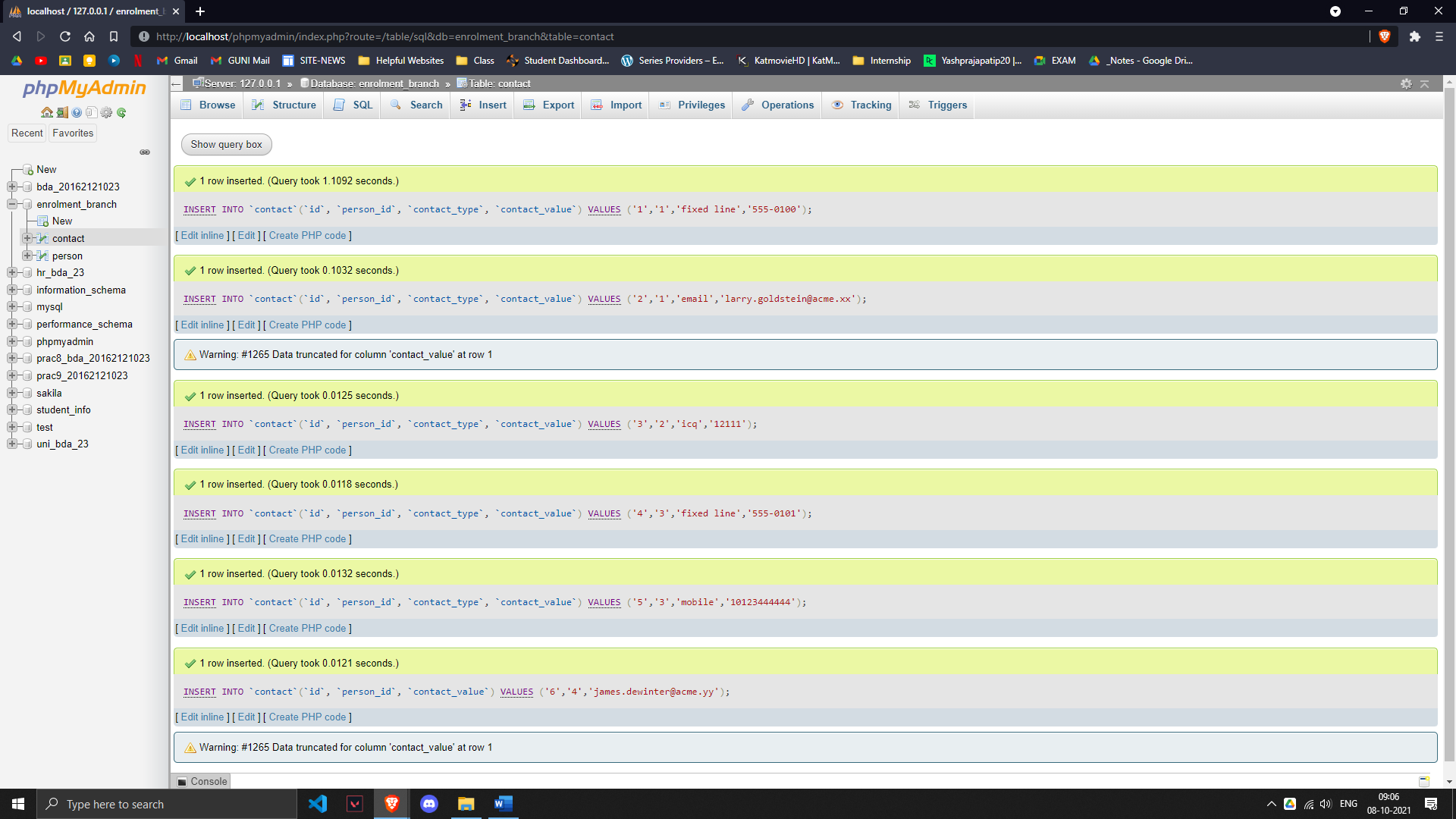
INSERT INTO `contact`(`id`, `person\_id`, `contact\_type`, `contact\_value`) VALUES ('3','2','icq','12111');

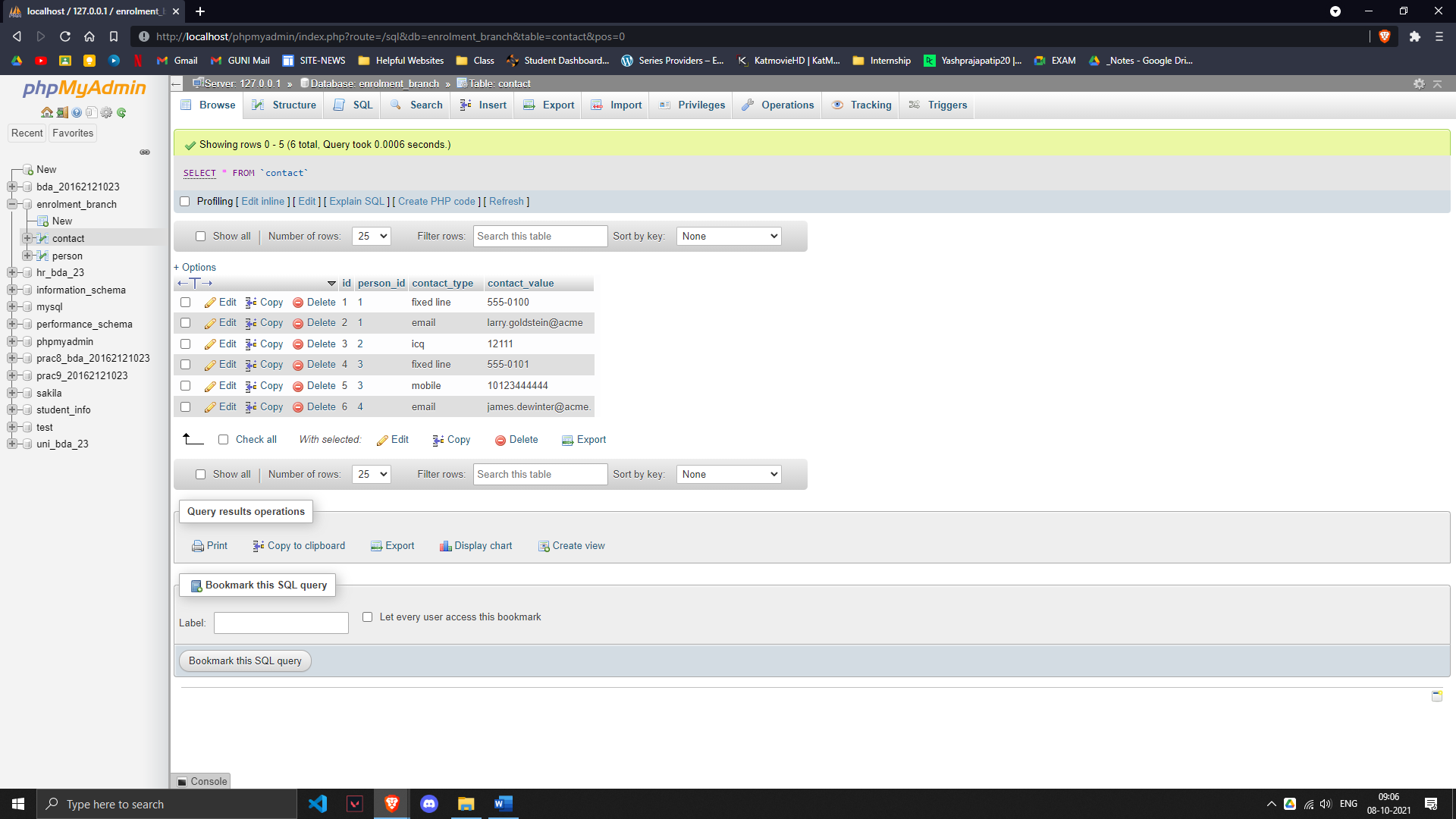
INSERT INTO `contact`(`id`, `person\_id`, `contact\_type`, `contact\_value`) VALUES ('4','3','fixed line','555-0101');

INSERT INTO `contact`(`id`, `person\_id`, `contact\_type`, `contact\_value`) VALUES ('5','3','mobile','10123444444');

INSERT INTO `contact`(`id`, `person\_id`, `contact\_value`) VALUES ('6','4','james.dewinter@acme.yy');

***OUTPUT (Table 2)***





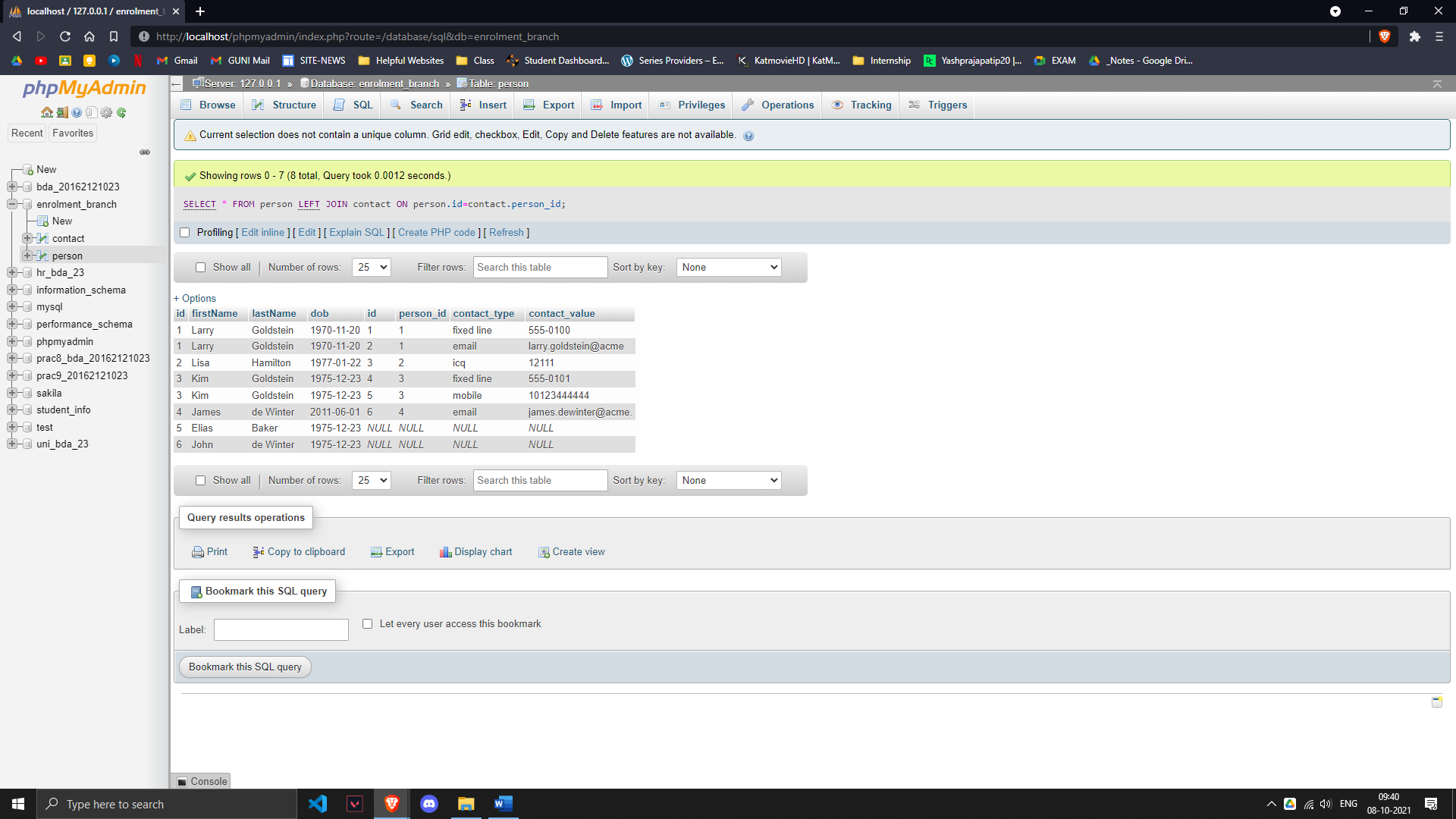
**Questions: -**

**Q2. Display All the details of people whose contact details are not available. (2)**

***QUERY***

SELECT \* FROM person LEFT JOIN contact ON person.id=contact.person\_id;

***OUTPUT***

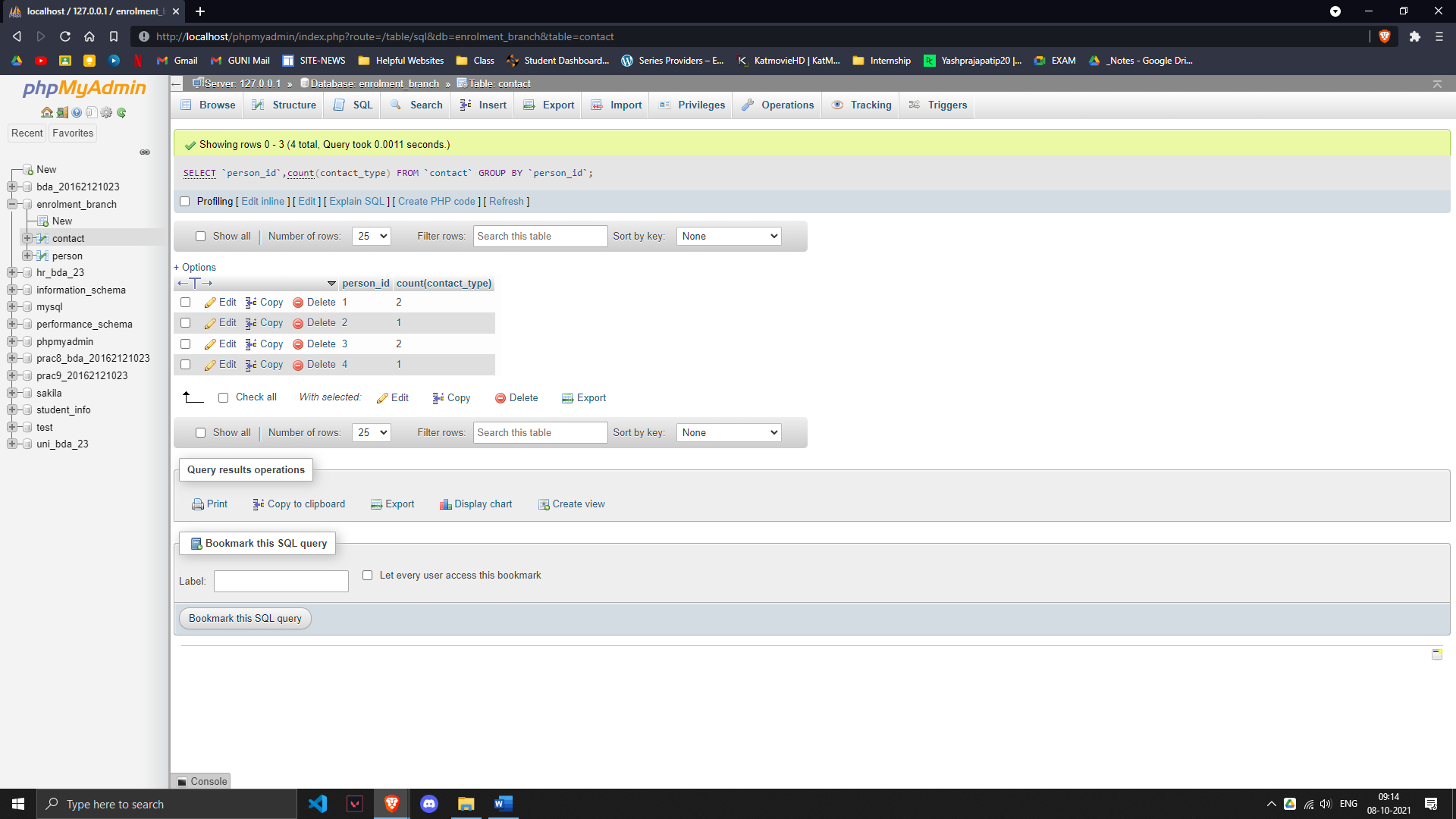


**Q3. Display person\_id and total count of his/her contact type. (2)**

***QUERY***

SELECT `person\_id`,count(contact\_type) FROM `contact` GROUP BY `person\_id`;

***OUTPUT***

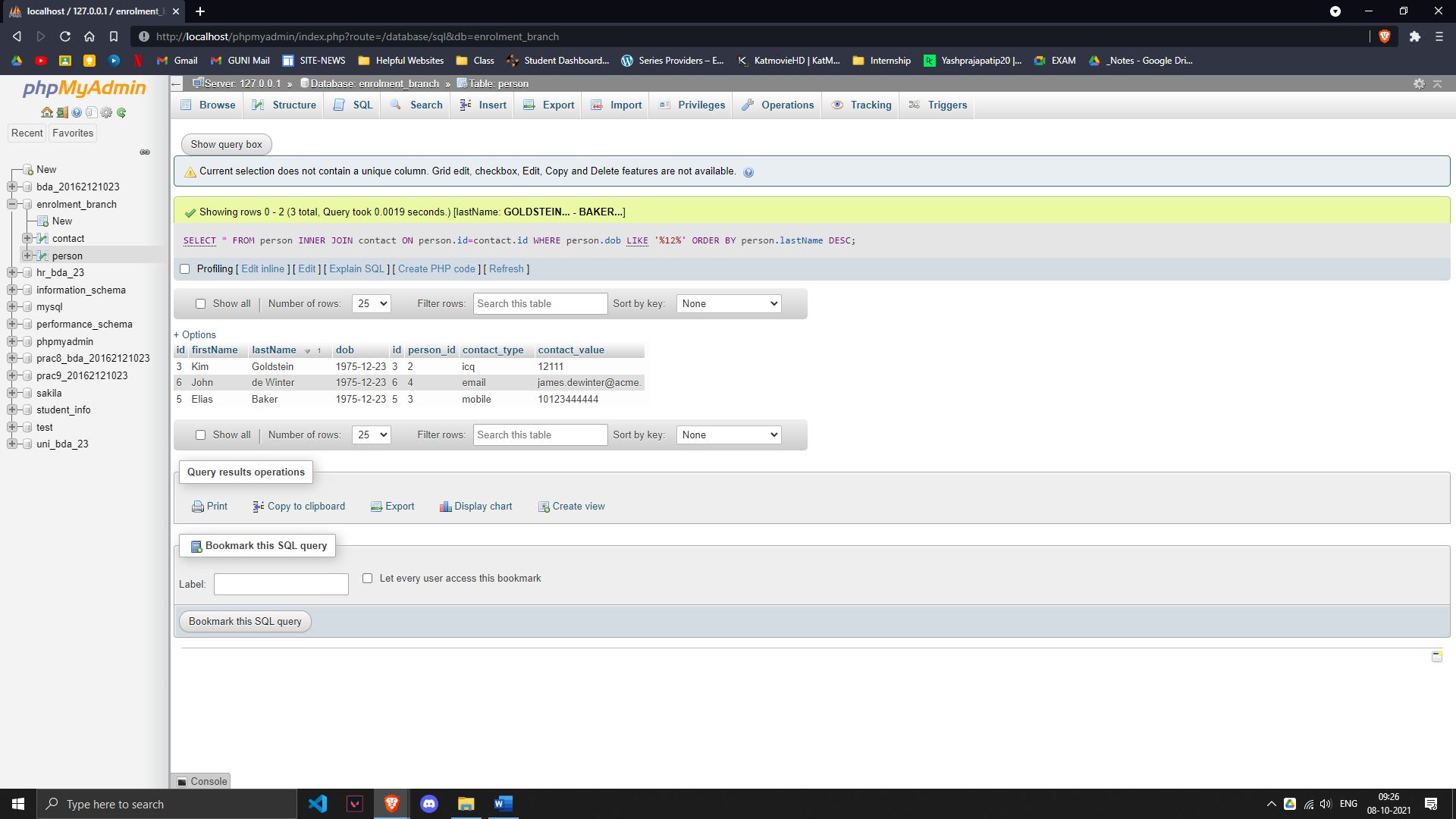


**Q4. Display the contact details of the people who are born in December month in the descending order of their last name. (3)**

***QUERY***

SELECT \* FROM person INNER JOIN contact ON person.id=contact.id WHERE person.dob LIKE '%12%' ORDER BY person.lastName DESC;

***OUTPUT***



**Q5. Rename the table contact to ‘contact\_info’. (1)**

***QUERY***

ALTER TABLE contact RENAME TO contact\_info;

***OUTPUT***

