	LAB 4 UMAYRA BI SYATISHIC AZHAR B23(30076
	Part 1: Creating natural joins
1)	SPLECT "
	FROM solu representatives
	Hatural Join address;
2)	Sale-rep-rep-il  Sale-rep-rep-id, sale-rep-first name, sale-rep-lastrame, and add line, and dine, cit
	sale-rep-email, sale-rep-phone Ho.
_	FROM sales-representatives sale-rep
	Hatural Join address a
	Part 2: Creating joins with the USING Clause
•)	SELECT rep_id, First nome, lustname, add-line 1, add-line 2, city, email, phone \$10  FROM sales - represent atives
	John address Using (rep_id),
) i	SELECT i.ikms-id, i.ikms-name, i-category, i. Les enphon, ph.pnce, ph stad-dak,
	ph.end-data
	FROM items ?
	JOIN price. history ph ON interms = ph. ikm-id
-	Part 3: creating joins with the ON clause
·)	SELECT (. customer_no
	C. FirstMame As customer_ firstname,
	c. last Mane As whener last name,
	c.phoneHO As customer-phoneHo,
	c. email As (wlomer_email,
	Sr. fivtHame As Jale_rep_id,

PAGE.

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11 trailbome BY Jak-Leb - Bathome
              sale rep - lastname,
  Sr. lost Home As
                 Sale-email,
            NS
  St. email
  LROM
       customer c
  JOIN sales-representatives or ON c.sales-rep.id = Sr. rep.id,
  Part 4 Creating three-way joins with the OH clawse
1) SELECT
       c. culpmer-number,
         C. FISH Name
                   As cytomer-fishname,
                                                           C. Inst Name 11 cushmer lastname,
         C. phone No
                  M Customer-phoneNo,
                   M Customer, email,
          (. email
                   As suk-rep-id,
          Sr. rep-id
           St. fixt Hame As sale-nep-fistname,
           ST. WHAME AS Sule-rep. betname,
                    M Suk-nep-email,
           Sr. email
           +. Kums_name
  From where c
  JOIN Sales - representatives Sr ON (. sales rep-id 2 Sr. rep-id,
       Ham + or c. kam-id = +. Ham-id;
```

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Part 5' Applying additional conditions to join
           coulmer - number,
1) SELECT
                            culomer-fiul name,
           C. HOLHOME
                       11
                             culoner-lastriane
           C. lathane
                        AS
                             computer. phoneHo,
                        14
           C. phone MO
            c email
                        47
                             Culomer email.
            Sr. rep.id
                        M
                             Jale-rep-id,
                              sale-rep-firstnome,
                        NS
           Sr. Gut Hame
                              Lang-rep-lathame,
            sr.lwtHame
                         KS
            Sr. email
                         ZA
                              Sale-rep-email,
            f. teams - nome
  FROM
         uslomer (
        sales representatives sr of c.sales rep.id = sr. rep.id,
  NIOC
         teams + OH c. teams_id = f. team_id
  WHERE
        c.cw/omer_number = 'cooool';
  Part 6: retireving records with Honequijoins
   SELECT i.ikm-name HS ikm-name,
                      AS cost
           ph.pvice
          ikms i
   FROM
           price-history ph ON i.ikm_id = ph.ikm_id
   NIOC
           i .ikm-number = 'im 01101045'
  WHERE
           AND ph. Start-dak <= '12-12-2016'
            AND (ph.end-dak Is Hull OR ph.end-dak >= '12-12-2016');
```

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LAB 4 PART 2
PART 1 : 418 a celf join to join a table to itself.
SELECT Rep. Fishname As Rep. Fishhame,
        Replainance As Rep-lail Home,
        Supervisor Gutname As Supervisor-Grist Name,
        supervisor, lailname As Siperson-last Hame
EDOW
        sales representatives Rep
        sales -representatives Supervisor ON Rep. superior-12 - Superior. rep.id.
JOH
                                                                Parts: Use OUTER joins
LOCATO
       t. kam-name,
        t. kam-id.
        C. cuspmer-number,
        C. Flyt Name As customer flyt. name,
         c. last Hame AS customer. last name,
         C. phoneNo As customer-phone-number,
         c. email As customer_email
                                                              ___(I)__
FROM
         teams t.
IEFT JOIN customer c OH t. Jeum - it = c. leum - it;
Part 3
SELGCT C.CW pmer_number.
       c. fixtname As cosponer first Name,
       c. lailname As cuspmer_last Name,
       c. phone NO AS customer-phone-number,
       C.email
                 As culomer_email,
       11.18p_id AS sales_1ep_id,
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Sr. Guthame As sules\_rep\_GutName,

sr. lastname As sall rep. last Name

	11 cmal Al 1011-10p cmail
	FROM CASHINGS (
	CROW JOBY INTEL representatives or
•	
-	
	STANDARD