| DBMS U19°CS076 |
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| Tutorial - 4 |
| Relational Algebra and SOL Query |
| 31] Write relational algebra for SOL |
| 1. Sellet S. Seller rane from Seller S. Product ? |
| 1. Sellet & Seller name from Sellen S. Product P. Porice origisten R where P. category = Book and R. product id = P. product 15 and R. selleris = S. sellerid |
| Teller name (category = Book (Seller M product M price registe |
| 2. Select R. seller id from product P, price register R where (P. category = Book on |
| 2. Select R. seller id from product P, price register R where (P. category = 'Book' or ' P. category = 'Stationary') and 1 P. product-id = R. product-id |
| Tseller id Category = Book V Category = Stationary |
| (Product Mprice - register) |
| 3. Select R. seller id from Product P price register R where (P. category = 'Mobile' and P. category'= Neitonic and P. product id = R. product id |
| The seller id (category = mobile 1 category = Electronics) |
| (Product M price siegister) |
| 4. Select S. sellor id from Seller & where s. city-Surat or S. sellor id in (select R. sellor id from Product P) |

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| P. product id = R. product-id |
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| P malus id - P malust id |
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| Seller-id (city = Surat (Seller)) |
| f(R, Tiseller-id (city = surat (Seller))) |
| I (R2, Teller-id (category = doth (product Aprice register) |
| 0.10 |
| RIV RZI MILLION MACANINA |
| Ballon Of Control of C |
| (3) Select S. seller id from seller S where S. city= Nagour and S. seller-id in (Select R. seller-id from product P, price oregister R where P. category = Fruits and P. product - id = R. product-id. |
| and Seller-id in Collect K. Seller-id from |
| product P, price oregister R where P. category = Frank |
| and P. product - id = R. product-id |
| |
| S(R, Tiseller-id (ocity-Nagpur (Seller))) |
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| J(R2, Tellerid (ocategory=, Touit (product Mprice register)) |
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| The state of the s |
| 2] Write S&L query for following relational algebra |
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| Jee at |
| 1. Select R. seller id from price register R |
| where not exist (select Reproduct id from Product P where not exists (select R1. seller id |
| Product P where not exists (Select R) seller id |
| And maid conjector RI 10 shows RI sellor id - |
| from price-register R1 where R1. seller id = R. seller id = P. product id = P. product id) |
| N. seller of and M. product in practice in |
| 2 Of ED selle it les miss market De land mot |
| a. solect R. soller de grom grice register & whole mil |
| 2. Select R. seller id from price register R whose not exist (select p. product id from product P where P. category = Book and not exist (|
| 1. Calegory = Book and 7101 exist |
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| Select R1. seller id from price register R1 where R1. seller id = R seller id and |
| - RI. product id = P. product-id) |
| |
| 3. Select R1. seller id R2. seller id from |
| price gradiston RI price greatston Ra. |
| where R1. product id = R2. product id and R1. seller id +> R2. seller id and |
| and RI seller id R2. seller id and |
| RI. price > R2. price |
| 1 CO F WAS A DE C F : P O |
| 4. Select distinct Riproduct-id from price register Ri price register R2 where |
| Price register 12 where |
| RI product id = R2 product id and RI seller id R2 seller id. |
| |
| 5. Select R. seller id from price register R |
| where not exist (select P. product id from Product P |
| where (P category = "cloth" or P category = "Tashion") |
| and not over (select P) sollar od Pools solia vaiste |
| RI where R-seller-id = RI. seller-id and RI. product-id = P. product-id) |
| RI product id = P. product-id) |
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