Employee

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| fname | lname | id | bdate | address | salary | sid | dno |
| Tom | Chu | A | …. | …. | 10000 | x | 4 |
| Peter | Lee | B | …. | …. | 15000 | y | 3 |
| Carol | Wong | C | …. | …. | 20000 | y | 3 |
| David | Lau | D | …. | …. | 15000 | x | 2 |
| Eric | Tong | E | …. | …. | 18000 | x | 1 |
| John | Sung | S | .… | …. | 20000 | x | 5 |

Works\_on

|  |  |
| --- | --- |
| id | pno |
| A | 1 |
| B | 1 |
| S | 1 |
| A | 2 |
| A | 3 |
| C | 2 |
| D | 1 |
| S | 2 |
| D | 3 |
| D | 4 |
| E | 1 |
| E | 2 |

Employee

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| fname | lname | id | bdate | address | salary | sid | dno |
| Tom | Chu | A | …. | …. | 10000 | x | 4 |
| Peter | Lee | B | …. | …. | 15000 | y | 3 |
| Carol | Wong | C | …. | …. | 20000 | y | 3 |
| David | Lau | D | …. | …. | 15000 | x | 2 |
| Eric | Tong | E | …. | …. | 18000 | x | 1 |
| John | Sung | S | .… | …. | 20000 | x | 5 |

*Sung* ← σ *fname=“John” ^ lname=“Sung”* ( *Employee* )

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| fname | lname | id | bdate | address | salary | sid | dno |
| John | Sung | S | .… | …. | 20000 | x | 5 |

*Works\_on* *Sung*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| fname | lname | id | bdate | address | salary | sid | dno | pno |
| John | Sung | S | …. | …. | 20000 | x | 5 | 1 |
| John | Sung | S | …. | …. | 20000 | x | 5 | 2 |

*Sung\_pnos* ← Π *pno* ( *Works\_on* *Sung* )

|  |
| --- |
| **pno** |
| 1 |
| 2 |

Sung\_pnos

Works\_on

|  |  |
| --- | --- |
| id | pno |
| A | 1 |
| B | 1 |
| S | 1 |
| A | 2 |
| A | 3 |
| C | 2 |
| D | 1 |
| S | 2 |
| D | 3 |
| D | 4 |
| E | 1 |
| E | 2 |

|  |
| --- |
| **pno** |
| 1 |
| 2 |

|  |
| --- |
| id |
| A |
| E |
| S |

*Result\_id* ← *Works\_on* / *Sung\_pnos*

Employee

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| fname | lname | id | bdate | address | salary | sid | dno |
| Tom | Chu | A | …. | …. | 10000 | x | 4 |
| Peter | Lee | B | …. | …. | 15000 | y | 3 |
| Carol | Wong | C | …. | …. | 20000 | y | 3 |
| David | Lau | D | …. | …. | 15000 | x | 2 |
| Eric | Tong | E | …. | …. | 18000 | x | 1 |
| John | Sung | S | .… | …. | 20000 | x | 5 |

Result\_id

|  |
| --- |
| id |
| A |
| E |
| S |

|  |  |
| --- | --- |
| fname | lname |
| Tom | Chu |
| Eric | Tong |
| John | Sung |