q1 care afiseaza numele si prenumele unui anumit agent imobiliar

SELECT nume, prenume

FROM OLTP\_AGENT\_IMOBILIAR

WHERE id\_agent = 2

q2 care gaseste emailul si telefonul tuturor agentilor imobiliari

SELECT email, telefon

FROM OLTP\_AGENT\_IMOBILIAR

q3 care gaseste si afiseaza data angajarii unui anumit agent imobiliar

SELECT data\_angajare

FROM OLTP\_AGENT\_IMOBILIAR

WHERE id\_agent = 4

q4 care afiseaza salariul si comisionul pentru un agent imobiliar

SELECT salariu, comision

FROM OLTP\_AGENT\_IMOBILIAR

where id\_agent = 9

A1 = nume

A2 = prenume

A3 = email

A4 = telefon

A5 = data\_angajare

A6 = salariu

A7 = comision

A8 = id\_agent

Valorile folosirii atributelor sunt definite de matricea VA, unde

VA(i, j)= use(qi, Aj).

Obtinem urmatoarea matrice:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |

VA =

Presupunem că frecvențele de acces ale aplicațiilor sunt următoarele:

|  |  |
| --- | --- |
| Statia 1 | Statia 2 |
| acc1(q1) = 5 | acc2(q1) = 10 |
| acc1(q2) = 20 | acc2(q2) = 0 |
| acc1(q3) = 6 | acc2(q3) = 11 |
| acc1(q4) = 21 | acc2(q4) = 1 |

Matricea afinității atributelor va fi următoarea:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AA = | A1A1 | A1A2 | A1A3 | A1A4 | A1A5 | A1A6 | A1A7 | A1A8 |
| 15 | 15 | 0 | 0 | 0 | 0 | 0 | 15 |
| 15 | 15 | 0 | 0 | 0 | 0 | 0 | 15 |
| 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 |
| 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 17 | 0 | 0 | 17 |
| 0 | 0 | 0 | 0 | 0 | 22 | 22 | 22 |
| 0 | 0 | 0 | 0 | 0 | 22 | 22 | 22 |
| 15 | 15 | 0 | 0 | 17 | 22 | 22 | 22 |

|  |
| --- |
| A1A1 , multimea k {1} |
| aff(A1,A1) = 5 + 10 = 15 |
| A1A2 , multimea k {1} |
| aff(A1,A2) = 5 + 10 = 15 |
| A1A3 , multimea k {0} |
| aff(A1,A3) = 0 |
| A1A4 , multimea k {0} |
| aff(A1,A4) = 0 |
| A1A5 , multimea k {0} |
| aff(A1,A5) = 0 |
| A1A6 , multimea k {0} |
| aff(A1,A6) = 0 |
| A1A7 , multimea k {0} |
| aff(A1,A7) = 0 |
| A1A8 , multimea k {1} |
| aff(A1,A8) = 5 + 10 = 15 |
|  |
| A2A1 , multimea k {1} |
| aff(A2,A1) = 5 + 10 = 15 |
| A2A2 , multimea k {1} |
| aff(A2,A2) = 5 + 10 = 15 |
| A2A3 , multimea k {0} |
| aff(A2,A3) = 0 |
| A2A4 , multimea k {0} |
| aff(A2,A4) = 0 |
| A2A5 , multimea k {0} |
| aff(A2,A5) = 0 |
| A2A6 , multimea k{0} |
| aff(A2,A6) = 0 |
| A2A7 , multimea k {0} |
| aff(A2,A7) = 0 |
| A2A8 , multimea k {1} |
| aff(A2,A8) = 5 + 10 = 15 |
|  |
| A3A1 , multimea k {0} |
| aff(A3,A1) = 0 |
| A3A2 , multimea k {0} |
| aff(A3,A2) = 0 |
| A3A3 , multimea k {2} |
| aff(A3,A3) = 20 + 0 = 20 |
| A3A4 , multimea k {2} |
| aff(A3,A4) = 20 + 0 = 20 |
| A3A5 , multimea k {0} |
| aff(A3,A5) = 0 |
| A3A6 , multimea k {0} |
| aff(A3,A6) = 0 |
| A3A7 , multimea k {0} |
| aff(A3,A7) = 0 |
| A3A8 , multimea k {0} |
| aff(A3,A8) = 0 |
|  |
| A4A1, multimea k {0} |
| aff(A4A1) = 0 |
| A4A2, multimea k {0} |
| aff(A4A2) = 0 |
| A4A3, multimea k {2} |
| aff(A4A3) = 20 + 0 = 20 |
| A4A4, multimea k {2} |
| aff(A4A4) = 20 + 0 = 20 |
| A4A5, multimea k {0} |
| aff(A4A5) = 0 |
| A4A6, multimea k {0} |
| aff(A4A5) = 0 |
| A4A7, multimea k {0} |
| aff(A4A7) = 0 |
| A4A8, multimea k {0} |
| aff(A4A8) = 0 |
|  |
| A5A1, multimea k {0} |
| aff(A5A1) = 0 |
| A5A2, multimea k {0} |
| aff(A5A2) = 0 |
| A5A3, multimea k {0} |
| aff(A5A3) = 0 |
| A5A4, multimea k {0} |
| aff(A5A4) = 0 |
| A5A5, multimea k {3} |
| aff(A5A5) = 6 + 11 = 17 |
| A5A6, multimea k {0} |
| aff(A5A6) = 0 |
| A5A7, multimea k {0} |
| aff(A5A7) = 0 |
| A5A8, multimea k {3} |
| aff(A5A8) = 6 + 11 = 17 |
|  |
| A6A1, multimea k {0} |
| aff(A6A1) = 0 |
| A6A2, multimea k {0} |
| aff(A6A2) = 0 |
| A6A3, multimea k {0} |
| aff(A6A3) = 0 |
| A6A4, multimea k {0} |
| aff(A6A4) = 0 |
| A6A5, multimea k {0} |
| aff(A6A5) = 0 |
| A6A6, multimea k {4} |
| aff(A6A6) = 21 + 1 = 22 |
| A6A7, multimea k {4} |
| aff(A6A7) = 21 + 1 = 22 |
| A6A8, multimea k {4} |
| aff(A6A8) = 21 + 1 = 22 |
|  |
| A7A1, multimea k {0} |
| aff(A7A1) = 0 |
| A7A2, multimea k {0} |
| aff(A7A2) = 0 |
| A7A3, multimea k {0} |
| aff(A7A3) = 0 |
| A7A4, multimea k {0} |
| aff(A7A4) = 0 |
| A7A5, multimea k {0} |
| aff(A7A5) = 0 |
| A7A6, multimea k {4} |
| aff(A7A6) = 21 + 1 = 22 |
| A7A7, multimea k {4} |
| aff(A7A7) = 21 + 1 = 22 |
| A7A8, multimea k {4} |
| aff(A7A8) = 21 + 1 = 22 |
|  |
| A8A1, multimea k {1} |
| aff(A8A1) = 5 + 10 = 15 |
| A8A2, multimea k {1} |
| aff(A8A2) = 5 + 10 = 15 |
| A8A3, multimea k {0} |
| aff(A8A3) = 0 |
| A8A4, multimea k {0} |
| aff(A8A4) = 0 |
| A8A5, multimea k {3} |
| aff(A8A5) = 6 + 11 = 17 |
| A8A6, multimea k {4} |
| aff(A8A6) = 21 + 1 = 22 |
| A8A7, multimea k {4} |
| aff(A8A7 = 21 + 1 = 22 |
| A8A8, multimea k {4} |
| aff(A8A8 = 21 + 1 = 22 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A1 | A4 | A5 | A7 | A8 | A6 | A3 | A2 |
| 15 | 0 | 0 | 0 | 15 | 0 | 0 | 15 |
| 15 | 0 | 0 | 0 | 15 | 0 | 0 | 15 |
| 0 | 20 | 0 | 0 | 0 | 0 | 20 | 0 |
| 0 | 20 | 0 | 0 | 0 | 0 | 20 | 0 |
| 0 | 0 | 17 | 0 | 17 | 0 | 0 | 0 |
| 0 | 0 | 0 | 22 | 22 | 22 | 0 | 0 |
| 0 | 0 | 0 | 22 | 22 | 22 | 0 | 0 |
| 15 | 0 | 17 | 22 | 22 | 22 | 0 | 15 |

LA =

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (A0,A3,A1) | = | 0 |  | (A0,A4,A1) | = | 0 |  | (A0,A5,A1) | = | 255 |  |
| (A1,A3,A2) | = | 1350 |  | (A1,A4,A3) | = | 1600 |  | (A1,A5,A4) | = | 255 |  |
| (A2,A3,A0) | = | 0 |  | (A3,A4,A2) | = | 1600 |  | (A4,A5,A3) | = | 1600 |  |
|  |  |  |  | (A2,A4,A0) | = | 0 |  | (A3,A5,A2) | = | 255 |  |
|  |  |  |  |  |  |  |  | (A2,A5,A0) | = | 255 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| (A0,A6,A1) | = | 330 |  | (A0,A7,A1) | = | 330 |  | (A0,A8,A1) | = | 780 |  |
| (A1,A6,A4) | = | 330 |  | (A1,A7,A4) | = | 330 |  | (A1,A8,A4) | = | 780 |  |
| (A4,A6,A5) | = | 374 |  | (A4,A7,A5) | = | 374 |  | (A4,A8,A5) | = | 663 |  |
| (A5,A6,A3) | = | 374 |  | (A5,A7,A6) | = | 2200 |  | (A5,A8,A7) | = | 2489 |  |
| (A3,A6,A2) | = | 330 |  | (A6,A7,A3) | = | 1452 |  | (A7,A8,A6) | = | 4356 |  |
| (A2,A6,A0) | = | 330 |  | (A3,A7,A2) | = | 330 |  | (A6,A8,A3) | = | 471 |  |
|  |  |  |  | (A3,A7,A0) | = |  |  | (A3,A8,A2) | = | 780 |  |
|  |  |  |  |  |  |  |  | (A2,A8,A0) | = | 780 |  |