|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EID** | **Employee\_name** | **Employee\_age** | **Employee\_address** | **Project\_ID** | **Project\_name** | **Project\_location\_ID** | **Project\_location\_city** | **Hours** | **Bonus** |
| 1 | Ahmed | 20 | Banha | 15 | Marssa-Matrooh airport | 137 | Matrooh | 243 | 40000.00 |
| 1 | Ahmed | 20 | Banha | 7 | Habata airport | 225 | Matrooh | 193 | 30000.00 |
| 2 | Ali | 25 | Cairo | 6 | Porj-AlArab airport | 200 | Alex | 210 | 32000.00 |
| 5 | Mona | 24 | Alex | 6 | Porj-AlArab airport | 200 | Alex | 150 | 21000.00 |
| 5 | Mona | 24 | Alex | 15 | Marssa-Matrooh airport | 137 | Matrooh | 130 | 9000.00 |
| 5 | Mona | 24 | Alex | 23 | Cairo airport | 55 | Cairo | 537 | 56000.00 |
| 15 | Khaled | 32 | Cairo | 23 | Cairo airport | 55 | Cairo | 33 | 5000.00 |

**1NF Remove Multivalued**

|  |  |  |  |
| --- | --- | --- | --- |
| **EID** | **Employee\_name** | **Employee\_age** | **Employee\_address** |
| 1 | Ahmed | 20 | Banha |
| 2 | Ali | 25 | Cairo |
| 5 | Mona | 24 | Alex |
| 15 | Khaled | 32 | Cairo |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **EID** | **Project\_ID** | **Project\_name** | **Project\_location\_ID** | **Project\_location\_city** | **Hours** | **Bonus** |
| 1 | 15 | Marssa-Matrooh airport | 137 | Matrooh | 243 | 40000.00 |
| 1 | 7 | Habata airport | 225 | Matrooh | 193 | 30000.00 |
| 2 | 6 | Porj-AlArab airport | 200 | Alex | 210 | 32000.00 |
| 5 | 6 | Porj-AlArab airport | 200 | Alex | 150 | 21000.00 |
| 5 | 15 | Marssa-Matrooh airport | 137 | Matrooh | 130 | 9000.00 |
| 5 | 23 | Cairo airport | 55 | Cairo | 537 | 56000.00 |
| 15 | 23 | Cairo airport | 55 | Cairo | 33 | 5000.00 |

**2NF**

|  |  |  |
| --- | --- | --- |
| **Project\_ID** | **Project\_name** | **Project\_location\_ID** |
| 15 | Marssa-Matrooh airport | 137 |
| 7 | Habata airport | 225 |
| 6 | Porj-AlArab airport | 200 |
| 23 | Cairo airport | 55 |

|  |  |
| --- | --- |
| **Location\_ID** | **Project\_location\_city** |
| 137 | Matrooh |
| 225 | Matrooh |
| 200 | Alex |
| 55 | Cairo |

|  |  |  |  |
| --- | --- | --- | --- |
| **EID** | **Project\_ID** | **Hours** | **Bonus** |
| 1 | 15 | 243 | 40000.00 |
| 1 | 7 | 193 | 30000.00 |
| 2 | 6 | 210 | 32000.00 |
| 5 | 6 | 150 | 21000.00 |
| 5 | 15 | 130 | 9000.00 |
| 5 | 23 | 537 | 56000.00 |
| 15 | 23 | 33 | 5000.00 |

**3NF**

No Transitive