REQUESTS

|  |  |
| --- | --- |
| CLIENT\_ID (PK) | CHAR(6) |
| CLIENT\_NAME | VACHAR2(30) |
| CITY (FK) | VACHAR2(30) |
| PHONE\_NUMBER | CHAR(12) |
| EMAIL | VACHAR2(50) |
| CONTACT\_PERSON | VACHAR2(30) |

CLIENTS

|  |  |
| --- | --- |
| CITY (FK) | VACHAR2(30) |
| TELEPHONE\_NUMBER | CHAR(12) |
| OFFICE\_MANAGER | VACHAR2(30) |
| OFFICE\_ID (PK) | CHAR(3) |

OFFICE

EMPLOYEE\_SKILLS

|  |  |
| --- | --- |
| SKILLS\_ID (PK) | CHAR(5) |
| SKILLS | VACHAR2(50) |
| HIGHLY\_SKILLED | CHAR (3) |

PROJECT

|  |  |
| --- | --- |
| PROJECT\_CODE (PK) | CHAR(11) |
| PROJECT \_NAME | VACHAR2(30) |
| CLIENT\_ID (FK) | CHAR(6) |
| PROJECT\_MANAGER | VACHAR2(30) |
| PROJECT\_START\_DATE | DATE |
| ESTIMSTED\_END \_DATE | DATE |
| ACTUAL\_END\_DATE | DATE |
| ESTIMATED\_COST | CHAR(7) |
| QUOTED\_COST | CHAR(7) |
| ACTUAL\_COST | CHAR(7) |
| ASSIGNMENT\_CODE(FK) | CHAR(5) |
| OFFICE\_ID (FK) | CHAR(3) |
| EMPLOYEE\_NO (FK) | CHAR(5) |

EXPERIENCE

|  |  |
| --- | --- |
| EXPERIENCE\_ID(PK) | CHAR(5) |
| SKILLS \_ID(FK) | CHAR(5) |
| YEARS\_OF\_ EXPERIENCE | NUMBER(2) |
| EMPLOYEE\_NO (FK) | CHAR(5) |

EMPLOY

EMPLOYEE

|  |  |
| --- | --- |
| EMPLOYEE\_NO (PK) | CHAR(5) |
| FIRST\_NAME | VACHAR2(30) |
| LAST\_NAME | VACHAR2(30) |
| CITY (FK) | VACHAR2(30) |
| JOB\_TITLE | VACHAR2(30) |
| HOURLY \_RATE | CHAR(5) |
| START\_DATE | DATE |
| SKILLS (FK) | VACHAR2(50) |

ASSIGNMENTS

|  |  |
| --- | --- |
| PROJECT\_CODE (FK) | VACHAR2(30) |
| DATE ASSIGNED | DATE |
| HOURS WORKED | NUMBER(3) |
| ASSIGNMENT\_CODE (PK) | NUMBER(2) |
| EMPLOYEE\_NO(FK) | CHAR(5) |

TASKS

|  |  |
| --- | --- |
| ADDRESS | VACHAR2(30) |
| POST\_CODE | CHAR (8) |
| CITY (PK) | VACHAR2(30) |

ADDRESS\_FILE

|  |  |  |
| --- | --- | --- |
| COLUMN NAME…EMPLOYEE | DATA TYPE | CONSTRAINT |
| EMPLOYEE\_NO (PK) | CHAR(5) | PRIMARY KEY, UNIQUE |
| FIRST\_NAME | VACHAR2(30) | REQUIRED, |
| LAST\_NAME | VACHAR2(30) | REQUIRED |
| CITY | VACHAR2(30) | REQUIRED, FORIEGN KEY, REFREENCES ADDRESS\_FILE (CITY) |
| JOB\_TITLE | VACHAR2(30) |  |
| HOURLY \_RATE | CHAR(5) | REQUIRED |
| START\_DATE | DATE | REQUIRED |
| SKILLS (FK) | VACHAR2(50) | FOREIGN KEY REFERENCES EMPLOYEE\_SKILLS (SKILLS) |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME….EXPERIENCE | DATA TYPE | CONSTRAINT |
| EXPERIENCE\_ID(PK) | CHAR(5) | PRIMARY |
| Skills\_id (FK) | CHAR(5) | FORIEGN KEY, REFREENCES SKILLS (SKILLS\_ID) |
| SKILLS | VACHAR2(50) |  |
| YEARS\_OF\_EXPERIENCE | NUMBER(2) |  |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME….OFFICE | DATA TYPE | CONSTRAINT |
| CITY | VACHAR2(30) | REQUIRED, FOREIGN KEY REFERENCES ADDRESS\_FILE (CITY) |
| TELEPHONE\_NUMBER | CHAR(12) | REQUIRED, UNIQUE |
| OFFICE\_MANAGER | VACHAR2(30) | REQUIRED |
| OFFICE\_ID (PK) | CHAR(3) | PRIMARY, UNIQUE |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME…ASSIGNEMNTS | DATA TYPE | CONSTRAINT |
| PROJECT\_CODE (FK) | VACHAR2(30) | FORIEGN KEY REFREENCES PROJECT (PROJECT\_CODE) |
| EMPLOYEE\_NO (FK) | CHAR (5) | FORIEGN KEY REFREENCES EMPLOYEE (EMPLOYEE\_NO) |
| DATE ASSIGNED | DATE | REQUIRED |
| HOURS\_WORKED | NUMBER(3) | REQUIRED |
| ASSIGNMENT\_CODE | NUMBER(2) | PRIMARY KEY |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME…PROJECT | DATA TYPE | CONSTRAINT |
| PROJECT\_ID | CHAR(11) | PRIMARY |
| PROJECT\_NAME | VACHAR2(30) |  |
| CLIENT\_ID | CHAR(6) | FORIEGN KEY REFREENCES CLEINT (CLIENT\_ID) |
| EMPLOYEE\_NO | CHAR(5) | FORIEGN KEY REFREENCES EMPLOYEE (EMPLOYEE\_NO) |
| PROJECT\_MANAGER | VACHAR2(30) | REQUIRED, UNIQUE |
| PROJECT\_START\_DATE | DATE | REQUIRED |
| ESTIMSTED\_END \_DATE | DATE |  |
| ACTUAL\_END\_DATE | DATE | REQUIRED |
| ESTIMATED\_COST | CHAR(7) |  |
| QUOTED\_COST | CHAR(7) |  |
| ACTUAL\_COST | CHAR(7) | REQUIRED, UNIQUE |
| ASSIGNMENT\_CODE(FK) | NUMBER(2) | FOREIGN KEY REFERENCES ASSIGNMENT (ASSIGNMENT\_CODE) |
| OFFICE\_ID(FK) | CHAR(3) | FOREIGN KEY, REFERENCES OFFICE (OFFICE\_ID) |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME…CLIENT | DATA TYPE | CONSTRAINT |
| CLIENT\_ID | CHAR(6) | PRIMARY KEY |
| CLIENT\_NAME (PK) | VACHAR2(30) |  |
| CITY | VACHAR2(30) | REQUIRED, FORIEGN KEY REFREENCES ADDRESS\_FILE (CITY) |
| PHONE\_NUMBER | CHAR(12) |  |
| EMAIL | VACHAR2(50) |  |
| CONTACT\_PERSON | VACHAR2(30) |  |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME…. ADDRESS\_FILE | DATA TYPE | CONSTRAINT |
| ADDRESS | VACHAR2(30) |  |
| POST\_CODE | CHAR(8) |  |
| CITY | VACHAR2(30) | PRIMARY KEY |

|  |  |  |
| --- | --- | --- |
| COLUMN NAME… EMPLOYEE\_SKILLS | DATA TYPE | CONSTRAINT |
| SKILLS\_ID(PK) | CHAR(5) | PRIMARY |
| SKILLS | VACHAR2(50) |  |
| HIGHLY\_SKILLED | CHAR(3) |  |