**Company**

**Primary Key** – **Reg\_no**

Varchar 2 Varchar 2 Varchar 2

|  |  |  |
| --- | --- | --- |
| **Reg\_no** | Name | Address |
| 3628455 | Flood Courier Services | Ballyfermot |

**User**

**Primary Key** – **User\_id**

Varchar 2 Varchar 2 Varchar 2

|  |  |  |
| --- | --- | --- |
| **User\_id** | User\_name | Password |
| us01 |  |  |
| us02 |  |  |
| us03 |  |  |

**Employee**

**Primary Key** – **Emp\_no**

**Foreign Key – PPS\_no**

**Do you need an EMP\_No and a PPS No?**

**You have PPs no as primary key on the next table. This could lead to confusion**

Varchar 2 Varchar 2 Varchar 2 Varchar 2 Varchar 2 DateTime Varchar 2 DateTime DateTime Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Emp\_no** | **PPS\_no** | F\_name | L\_name | Address | DOB | Email | Start\_date | Finish\_date | Hourly\_rate | Holidays\_due | Holidays\_taken |
| 01 |  |  |  |  |  |  |  |  |  |  |  |
| 02 |  |  |  |  |  |  |  |  |  |  |  |
| 03 |  |  |  |  |  |  |  |  |  |  |  |
| 04 |  |  |  |  |  |  |  |  |  |  |  |
| 05 |  |  |  |  |  |  |  |  |  |  |  |
| 06 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

**Should hourly\_rate and holiday details be on the above table? They are data that change unlike the other details.**

**Also how can you track details of previous hourly\_rate and last year’s holidays?**

**Employee Revenue**

**Primary Key** – **PPS\_no**

Varchar 2 Varchar 2 Number Number

|  |  |  |  |
| --- | --- | --- | --- |
| **PPS\_no** | PRSI\_code | Standard\_rate\_cutoff\_point | Tax\_credits |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Timesheet Employee 01**

**Primary Key (Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | **Emp\_no** | Mon\_Start | Mon\_finish | Tue\_start | Tue\_finish | Wed\_start | Wed\_finish | Thurs\_start | Thurs\_finish | Fri\_start | Fri\_finish | Sat\_start | Sat\_finish | Sun\_start | Sun\_finish |
| TS101-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS102-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS103-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS104-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS105-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS106-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Payslip Employee 01**

**Primary Key (Composite Key)**  – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | Emp\_no | Basic\_hours | Time\_half | Double\_time | Holiday\_pay | Bonus | Non\_tax\_expense | Gross\_pay | PAYE | PRSI | USC | Net\_pay | Employer\_PRSI |
| PS101-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS102-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS103-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS104-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS105-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS106-12 | 01 |  |  |  |  |  |  |  |  |  |  |  |  |

**Why are these duplicated?**

**Timesheet Employee 02**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | **Emp\_no** | Mon\_Start | Mon\_finish | Tue\_start | Tue\_finish | Wed\_start | Wed\_finish | Thurs\_start | Thurs\_finish | Fri\_start | Fri\_finish | Sat\_start | Sat\_finish | Sun\_start | Sun\_finish |
| TS201-12 | **02** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS202-12 | **02** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS203-12 | **02** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS204-12 | **02** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS205-12 | **02** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS206-12 | **02** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Payslip Employee 02**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | Emp\_no | Basic\_hours | Time\_half | Double\_time | Holiday\_pay | Bonus | Non\_tax\_expense | Gross\_pay | PAYE | PRSI | USC | Net\_pay | Employer\_PRSI |
| PS201-12 | 02 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS202-12 | 02 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS203-12 | 02 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS204-12 | 02 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS205-12 | 02 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS206-12 | 02 |  |  |  |  |  |  |  |  |  |  |  |  |

**Timesheet Employee 03**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | **Emp\_no** | Mon\_Start | Mon\_finish | Tue\_start | Tue\_finish | Wed\_start | Wed\_finish | Thurs\_start | Thurs\_finish | Fri\_start | Fri\_finish | Sat\_start | Sat\_finish | Sun\_start | Sun\_finish |
| TS301-12 | **03** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS302-12 | **03** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS303-12 | **03** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS304-12 | **03** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS305-12 | **03** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS306-12 | **03** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Payslip Employee 03**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | Emp\_no | Basic\_hours | Time\_half | Double\_time | Holiday\_pay | Bonus | Non\_tax\_expense | Gross\_pay | PAYE | PRSI | USC | Net\_pay | Employer\_PRSI |
| PS301-12 | 03 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS302-12 | 03 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS303-12 | 03 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS304-12 | 03 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS305-12 | 03 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS306-12 | 03 |  |  |  |  |  |  |  |  |  |  |  |  |

**Timesheet Employee 04**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | **Emp\_no** | Mon\_Start | Mon\_finish | Tue\_start | Tue\_finish | Wed\_start | Wed\_finish | Thurs\_start | Thurs\_finish | Fri\_start | Fri\_finish | Sat\_start | Sat\_finish | Sun\_start | Sun\_finish |
| TS401-12 | **04** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS402-12 | **04** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS403-12 | **04** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS404-12 | **04** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS405-12 | **04** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS406-12 | **04** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Payslip Employee 04**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Payslip\_id** | Emp\_no | Basic\_hours | Time\_half | Double\_time | Holiday\_pay | Bonus | Non\_tax\_expense | Gross\_pay | PAYE | PRSI | USC | Net\_pay | Employer\_PRSI |
| PS401-12 | 04 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS402-12 | 04 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS403-12 | 04 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS404-12 | 04 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS405-12 | 04 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS406-12 | 04 |  |  |  |  |  |  |  |  |  |  |  |  |

**Timesheet Employee 05**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | **Emp\_no** | Mon\_Start | Mon\_finish | Tue\_start | Tue\_finish | Wed\_start | Wed\_finish | Thurs\_start | Thurs\_finish | Fri\_start | Fri\_finish | Sat\_start | Sat\_finish | Sun\_start | Sun\_finish |
| TS501-12 | **05** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS502-12 | **05** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS503-12 | **05** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS504-12 | **05** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS505-12 | **05** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TS506-12 | **05** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Payslip Employee 05**

**Primary Key** (**Composite Key)** – **Week\_no/Emp\_no**

Varchar2 Varchar2 Number Number Number Number Number Number Number Number Number Number Number

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week\_no** | Emp\_no | Basic\_hours | Time\_half | Double\_time | Holiday\_pay | Bonus | Non\_tax\_expense | Gross\_pay | PAYE | PRSI | USC | Net\_pay | Employer\_PRSI |
| PS501-12 | 05 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS502-12 | 05 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS503-12 | 05 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS504-12 | 05 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS505-12 | 05 |  |  |  |  |  |  |  |  |  |  |  |  |
| PS506-12 | 05 |  |  |  |  |  |  |  |  |  |  |  |  |