|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Number | Project Name | Employee Number | Employee Name | Job Class | Chg/Hour | Hours Billed | Total Charge | Subtotal |
| 15 | Evergreen | 103 | June E. Arbough | Electric Engineer | 84.50 | 23.8 | =F2\*G2 | 10,549.70 |
| 15 | Evergreen | 101 | John G. News | Database Designer | 105 | 19.4 | =F3\*G3 | 10,549.70 |
| 15 | Evergreen | 105 | Alice K. Johnson | Database Designer | 105 | 35.7 | =F4\*G4 | 10,549.70 |
| 15 | Evergreen | 106 | William Smithfield | Programmer | 35.75 | 12.6 | etc | 10,549.70 |
| 15 | Evergreen | 102 | David H. Senior | System Analyst | 96.75 | 23.8 | etc | 10,549.70 |
| 18 | Amber Wave | 114 | Annalise Jones | Applications Designer | 48.10 | 24.6 | etc | 7,171.47 |
| 18 | Amber Wave | 118 | James J. Frommer | General Support | 18.36 | 45.3 | etc | 7,171.47 |
| 18 | Amber Wave | 104 | Anne K. Ramoras | System Analyst | 96.75 | 32.4 | etc | 7,171.47 |
| 18 | Amber Wave | 112 | Darlene M. Smithson | DSS Analyst | 45.95 | 44 | etc | 7,171.47 |
| 22 | Rolling Tide | 105 | Alice K. Johnson | Database Designer | 105 | 64.7 | etc | 13,660.10 |
| 22 | Rolling Tide | 104 | Anne K. Ramoras | System Analyst | 96.75 | 48.4 | etc | 13,660.10 |
| 22 | Rolling Tide | 113 | Delbert K. Joenbrood | Applications Designer | 48.10 | 23.6 | etc | 13,660.10 |
| 22 | Rolling Tide | 111 | Geoff B. Wabash | Clerical Support | 26.87 | 22 | etc | 13,660.10 |
| 22 | Rolling Tide | 106 | William Smithfield | Programmer | 35.75 | 12.8 | etc | 13,660.10 |
| 25 | Starflight | 107 | Maria D. Alonzo | Programmer | 35.75 | 24.6 | etc | 17,559.82 |
| 25 | Starflight | 115 | Travis B. Wabangi | System Analyst | 96.75 | 45.8 | etc | 17,559.82 |
| 25 | Starflight | 101 | John G. News | Database Designer | 105 | 56.3 | etc | 17,559.82 |
| 25 | Starflight | 114 | Annalise Jones | Applications Designer | 48.10 | 33.1 | etc | 17,559.82 |
| 25 | Starflight | 108 | Ralph B. Washington | System Analyst | 96.75 | 23.6 | etc | 17,559.82 |
| 25 | Starflight | 118 | James J. Frommer | General Support | 18.36 | 30.5 | etc | 17,559.82 |
| 25 | Starflight | 112 | Darlene M. Smithson | DSS Analyst | 45.95 | 41.4 | etc | 17,559.82 |

2. Schema1 = Project Number, Name

Schema2 = Employee Numbers, Employee Names, Employee Charge per hour, project #

Schema3 = Employees in each project, hours for each employee

Schema1 will give the project number and name. This is be connected with Schema3 to get which employees will be in which project and the hours each person contributed. This info will be combined with Schema2 to get the employee numbers, names, and cost per hour.

3. CREATE TABLE Schema1(

ProjectNumber int,

ProjectName varchar(255)

)

CREATE TABLE Schema2(

ProjectNumber int,

EmployeeNumber int,

EmployeeName varchar(255),

EmployeeType varchar(255),

EmployeeCost float

)

CREATE TABLE Schema3(

ProjectNumber int,

Employee varchar(255),

EmployeeHours float

)

CREATE TABLE Final(

ProjectNumber int,

ProjectName varchar(255),

EmployeeNumber int,

EmployeeName varchar(255),

JobClass varchar(255),

EmployeeCost float,

EmployeeHours float,

TotalCharge float,

ProjectSubtotal float

)

4.

INSERT INTO Final(ProjectNumber, ProjectName)

VALUES(SELECT ProjectNumber, ProjectName FROM Schema1)

INSERT INTO Final(EmployeeNumber, EmployeeName, EmployeeType)

VALUES(SELECT EmployeeNumber, EmployeeName, EmployeeType, EmployeeCost FROM Schema2 WHERE Schema2.ProjectNumber = Schema1.ProjectNumber)

INSERT INTO Final(Employee, EmployeeHours)

VALUES (SELECT Employee, EmployeeHours FROM Schema3 WHERE Schema3.ProjectNumber = Schema1.ProjectNumber and Schema3.Employee = Schema2.EmployeeName)

INSERT INTO Final (TotalCharge, ProjectSubtotal)

VALUES ((Final(EmployeeHours) \* Final(EmployeeCost)), sum(Final(TotalCharge)))