Quiz 8 + Quiz9

NAME:\_ Ankush Gauro

Oracle ID: dbs211\_241zbb10

USER VIEW

ENG-A-PLUS

INVOICE

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Invoice Num: EAP-44720 Invoice Date: Oct 17, 2022** | | | | | | | | | |
| **Customer** : 103 – Sears Canada  **Address**  : 417 Allstate Road  Toronto, ON  M2N 6H4 | | | | | | | | | |
| **Project** : Build North Bay Shopping Centre  **Project Type** : 5 – Build Shopping Centre  **Location** : North Bay, ON | | | | | | | | | |
| **Engineering Charges** | | | | | | | | | |
| **Employee** | **Skill** | **Skill**  **Hourly Rate** | | **Date** | | | **Hrs.** | **Charge** | |
| Hall, Roy | Produce Blueprints | 100.00 | | 2005-10-10 | | | 7.0 | 700.00 | |
| Relton, Joan | Produce Blueprints | 100.00 | | 2005-10-10 | | | 6.0 | 600.00 | |
| Rogers, Ann | Supervise Foundation | 150.00 | | 2005-10-12 | | | 7.0 | 1050.00 | |
| Wang, Alex | Electrical Supervisor | 150.00 | | 2005-10-13 | | | 7.0 | 1050.00 | |
| **Sub-total Engineering Charges:** $3,400.00 | | | | | | | | | |
| **Equipment Charges** | | | | | | | | | |
| **Equipment Number** | | | **Date** | | **Total Hours** | **Hourly**  **Rate** | | | **Charge** |
| P100 - Kodac Photocopier | | | 2005-10-14 | | 7.0 | 60.00 | | | 420.00 |
| CMT22 -Concrete Mixer Truck | | | 2005-10-14 | | 8.0 | 250.00 | | | 2000.00 |
| CMT22 -Concrete Mixer Truck | | | 2005-10-15 | | 8.0 | 250.00 | | | 2000.00 |
| **Sub-total Equipment Charges:** $4,420.00 | | | | | | | | | |
| **Total Charges:** $7820.00  **PST(8%):**  $961.60  **GST(7%):** $841.40  **\_\_\_\_\_\_\_\_\_**  **Grand Total This Invoice: $9,822.00** | | | | | | | | | |

**For the above User View, determine the UNF , 1NF.**

**UNF:**

**Invoice (Invoice\_Num, Customer, Address, Project, Project\_Type, Location, Invoice\_Date, Total\_Charges, PST, GST, Grand\_Total)**

**Engineering\_Charges (Invoice\_Num, Employee, Skill, Hourly\_Rate, Date, Hours, Subtotal)**

**Equipment\_Charges (Invoice\_Num, Equipment\_Number, Date, Hours, Hourly\_Rate, Subtotal)**

**1NF:**

**Invoice (Invoice\_Num, Customer, Address, Project, Project\_Type, Location, Invoice\_Date, Total\_Charges, PST, GST, Grand\_Total)**

**Engineering\_Charges (Invoice\_Num, Line\_Item, Employee, Skill, Hourly\_Rate, Date, Hours, Subtotal)**

**Equipment\_Charges (Invoice\_Num, Line\_Item, Equipment\_Number, Date, Hours, Hourly\_Rate, Subtotal)**