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Database Project Assignment 2: Queries in Human

The Options Hawk Database will be collecting various of data regarding their employees’ making trades, the customers for who they will be making trades for, and finally various information involving the trade itself. The employees themselves will own the database and will also manage it. In terms of accessing, employees will be able to access every part of the database, however customers will only be able to access trades that are done for them. For example, if a trade is done for Bob Dylan, Bob Dylan who is a customer can only access that trade and no one else. An employee however could access his trade and Dylan Bob’s as well.

Human Questions and SQL Query Answers:

1. Who are all of our employees?
   * SELECT \*  
     FROM EMPLOYEE
2. Who are all of our customers?
   * SELECT \*  
     FROM CUSTOMER
3. How many employees do we have in total?
   * SELECT COUNT(EMP\_ID)  
     FROM EMPLOYEE;
4. How many customers do we have in total?
   * SELECT COUNT(CUST\_ID)  
     FROM CUSTOMER;
5. How many trades did Billy Bob do in the month of September?
   * SELECT ‘Billy Bob’

FROM EMPLOYEE

WHERE MONTH = ‘September’

1. How many trades were there for Bob Billy in the month of September?
   * SELECT ‘Bob Billy’

FROM CUSTOMER

WHERE MONTH = ‘September’

1. How many trades total is there for Apple?
   * SELECT \*

FROM \*

WHERE TICKER = ‘AAPL’

1. How many trades total is there for Apple in the month of June?
   * SELECT \*

FROM \*

WHERE TICKER = ‘AAPL’

WHERE MONTH = ‘June’

1. How many wins were in the month of June for customer Jenny Jen ?
   * SELECT COUNT(‘Jenny Jen’)

FROM CUSTOMER

WHERE P/L == WIN

1. How many losses were there in the month of June for customer Jenny Jen ?
   * SELECT COUNT(‘Jenny Jen’)

FROM CUSTOMER

WHERE P/L == LOSE

1. How many trades are sells?
   * SELECT COUNT(‘Sell’)

FROM BuySell

1. How many trades are bought?
   * SELECT COUNT(‘Buy’)

FROM BuySell

1. How many trades are calls?
   * SELECT COUNT(‘Call’)

FROM CallPut

1. How many trades are puts?
   * SELECT COUNT(‘Put’)

FROM CallPut

1. How many trades expire in the month of September?
   * SELECT \*

FROM TRADE

WHERE EXP = ‘September’

1. How many trades were opened in the month of September?
   * SELECT \*

FROM TRADE

WHERE OPEN = ‘September’

1. How many trades were closed in the month of September?
   * SELECT \*

FROM TRADE

WHERE CLOSE = ‘September’

Partners Business Needs:

Pedro’s business will have him creating a vast database where not only is he gathering data for all the wrestlers, but also merchandise and statistics for fights. Wrestling data will include things like a wrestler’s first and last name, weight, height, reach, and number of fights. For merchandise, he will need all the different merchandise being sold, the price, stock, and the revenue. For fight statistics, things like who is matchup stats will come in handy, who is fighting on what date, what fights are title fights, what type of match will there be? Tables, ladders, and chairs allowed? Things like that need to be accounted for.

Partners SQL:

1. Who is the first PWN Cruiserweight Champion?

Select Division, Experience, Past/Pres, ChampShip From HistRecord

On WrestlerName = Jamie Junior Where ChampReign = July 10th, 2013 And SecBelt = PWNCruiseC

2. Who is the first PWN Intercontinental Champion?

Select Division, Experience, Past/Pres, ChampShip From HistRecord

On WrestlerName = Don Tull

Where ChampReign = July 10th, 2013 And SecBelt = PWNInterC

3. Who is the first PWN United States Champion?

Select Division, Experience, Past/Pres, ChampShip From HistRecord

On WrestlerName = Michael Stefenson Where ChampReign = July 4th, 2013 And SecBelt = PWNUnitedC