**Pseudo Code**

1.**Top 3 product function:**

This function displays top 3 products which are sold the most by the customer from Zegat Online IT-Hardware Ordering System.

Int Admin::top\_3\_product()

{

If(prod.empty())

{

Checks whether the product list Is empty or not. If It empty then the system returns Product list not exist.

}

Flag and count Is Initialised to 0

list<product>::Iterator It=prod.begin();

Product\_Id, name, units\_sold and price Is displayed on the output screen.

The product sort function takes p1 and p2 as arguments

{

Checks If p1 of units sold Is greater than p2 of units sold and returns

}

Using for loop, the value of I should be from 0 to 2 and traverse will be done till end of the products by Incrementing I and Iterator.

{

If Iterator of get units sold Is greater than 0

{

The product Id, product name, units sold and cost will be displayed

}

}

The product sort function takes p1 and p2 as arguments

{

Checks If p1 of product Id Is less than p2 of product Id and returns exit success.

}

}

#endif

2. **View transaction history**

This function Is used to view all the previous transactions done by the customer from Zegat Online IT-Hardware Ordering System.

Int customer::view\_transaction\_history()

{

Checks whether the transaction Is empty or not

{

If transaction Is empty then returns exit failure with the message no previous transaction available.

}

Initialising the count, flag to 0

list<transaction>::Iterator It=trans.begin();

It Is not Initialised and the condition will check whether It Is not equal to end of transaction and It Is Incremented every time till the condition is reached.

{

Checks whether It of get customer Id function Is equal to this of customer Id

{

If count Is 0

{

It displays transaction history of customer If available or not

Id, customer Id, product 1, product 2, total amount, discount, amount paid will be printed on the output screen.

Count Is Incremented to 1

}

It of view transaction function Is called

Flag Is Initialised to 1

}

}

Check If flag Is 0

{

Displays a message saying no previous transaction is available

}

Else

{

print line for readability

}

Return exit of success

}