## iPhone 16 Mobile Purchase Billing Summary

We are selling iPhone mobiles, each costing ₹90,000.

You can purchase the required number of iPhone 16 mobiles, and applicable discounts and taxes will be applied accordingly.

### Pricing Details:

* **Base price per iPhone 16 mobile:** ₹90,000
* **State GST (SGST):** 18%
* **Central GST (CGST):** 18%

### Discount Structure Based on Quantity:

* 1 mobile: 2% discount
* 2 to 5 mobiles: 9% discount
* 6 to 10 mobiles: 19% discount
* 11 to 20 mobiles: 19% discount
* 21 to 40 mobiles: 24% discount
* More than 40 mobiles: 29% discount

### Billing Computation:

Given the number of mobiles you wish to purchase, the total cost before taxes and discounts will be calculated as:

\begin{math} \text{Total Mobile Cost} = \text{Quantity} \times 90,000 \end{math}

Taxes are applied per mobile as:

* SGST = 18% of 90,000 = ₹16,200
* CGST = 18% of 90,000 = ₹16,200

The discount per mobile depends on the quantity category as described above, calculated as a percentage of the base price:

\begin{math} \text{Discount Amount} = 90,000 \times \text{Discount Rate} \end{math}

The total payable amount per mobile after applying taxes and discount is calculated as:

\begin{equation} \text{Total Payable} = 90,000 + 16,200 + 16,200 - \text{Discount Amount} \end{equation}

### Sample Output

------- We are selling iPhone mobiles --------  
-------Each costs 90000 INR ---------------  
No. of required items: [User Input]  
------------ Billing Summary --------------------  
 Total mobile Cost : ₹ [Quantity × 90000]  
 SGST (18%) : ₹ 16200  
 CGST (18%) : ₹ 16200  
 Discount Applied ( [Discount Rate] ) : ₹ [Discount per mobile]  
-------------------------------------------------  
 Total Payable Amount : ₹ [Final amount per mobile]  
-------------------------------------------------  
.<.<.< THANK YOU AND VISIT AGAIN >.>.>.

This summary helps the buyer to understand how the total cost including taxes and discounts are computed for purchasing iPhone 16 mobiles in multiple quantities.

https://github.com/adithyakumar07/bill\_project.git