

## OOPs lab Exercise-2 on 29/01/26

### Observation Questions:

- 1) write a C++ program to create a simple ATM system. Define an inline function for deposit and withdrawal. Use default argument for minimum balance.
- 2) Write a C++ program that uses the same function name with different parameters to calculate the area of different shapes.
- 3) Develop a C++ program to update a bank account balance using a **reference variable** for deposit and withdrawal operations.
- 4) Write a C++ program to generate a shopping bill displaying Item Name, Quantity, Price and Total Amount.

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### SHOPPING BILL

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Item Name	Qty	Price	Total
Pen	10	5.00	50.00

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- 5) Write a C++ program using **functions and if-else and switch control structure** to calculate toll charges based on vehicle type.

### Execution:

- 1) write C++ program to create a 2D array with the name Product[5][3] to store the set of product details in the following form:

pid	stocklevel	amountofsale
1	1000	250
2	2500	150
3	5000	350
4	200	15
5	1500	150

write functions with the same name (minimum) to find and display the minimum stock level products and minimum sale level products. These functions should take minimum level as default argument if it is not given.

prototypes of the functions are

minimum(product[stock], minimum level)  
mimimum(product[sale],minimumlevel)