<<<<<<<< PSEUDO-CODE FOR THE DATATYPE CLASS >>>>>>>>>>>>

Class FA2023\_SaleRepresentative\_Gautam

Private String name

Private String employeeId

Private float saleAmount

Constants:

- BASE\_SALARY = 2800.00

- COMMISSION\_RATE\_1 = 0.0159 (1.59%)

- COMMISSION\_RATE\_2 = 0.0239 (2.39%)

- COMMISSION\_RATE\_3 = 0.0319 (3.19%)

- BONUS\_RATE\_1 = 0.0 (No bonus)

- BONUS\_RATE\_2 = 0.0159 (1.59%)

Constructor:

- FA2023\_SaleRepresentative\_Gautam(String name, String employeeId, float saleAmount)

Method calculateCommission():

- If saleAmount>=0 && saleAmount<5000:

- Return 0.0

- Else if saleAmount>=5000 && saleAmount<10000:

- Return saleAmount \* COMMISSION\_RATE\_1

- Else if saleAmount>=10000 && saleAmount<15000:

- Return saleAmount \* COMMISSION\_RATE\_2

- Else:

- Return saleAmount \* COMMISSION\_RATE\_3

Method calculateBonus():

- If saleAmount >= 10000 && saleAmount < 15000:

- Return saleAmount \* BONUS\_RATE\_2

- Else if saleAmount>15000:

- Return saleAmount \* BONUS\_RATE\_2

- Else:

Return 0.0

Method calculateTotalSalary():

- commission = calculateCommission()

- bonus = calculateBonus()

- Return BASE\_SALARY + commission + bonus

Method generateSalarySlip():

- Get current date

- Format the date

- Build a string containing the salary slip in the specified format

- Return the generated string

Override toString():

- Return generateSalarySlip()

<<<<<<<<< PSEUDO CODE FOR THE DRIVER CLASS>>>>>>>>>>>

Main method FA2023\_SalaryOfSaleRepresentative\_Gautam

Initialize Scanner keyboard

Prompt user for name, employeeId, and saleAmount

Read user input into variables

Create an instance of FA2023\_SaleRepresentative\_Gautam using the provided values

Call calculateTotalSalary() on the instance to calculate the total salary

Print the salary slip using toString() method of the instance

Close the Scanner

End of Main

