**1.WAP for creating a mini calculator for performing a particular operation based on user choice. ex. if the user will select the addition operation then the output should be the addition of the given two nos.**

**package** lab2;

**import** java.util.Scanner;

**public** **class** Minicalc {

**public** **static** **void** main(String[] args) {

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Simple Calculator");

System.***out***.print("Enter first number: ");

**double** num1 = scanner.nextDouble();

System.***out***.print("Enter second number: ");

**double** num2 = scanner.nextDouble();

System.***out***.println("Choose an operation:");

System.***out***.println("1. Addition");

System.***out***.println("2. Subtraction");

System.***out***.println("3. Multiplication");

System.***out***.println("4. Division");

System.***out***.print("Enter your choice (1-4): ");

**int** choice = scanner.nextInt();

**if** (choice == 1) {

System.***out***.println("Result: " + (num1 + num2));

} **else** **if** (choice == 2) {

System.***out***.println("Result: " + (num1 - num2));

} **else** **if** (choice == 3) {

System.***out***.println("Result: " + (num1 \* num2));

} **else** **if** (choice == 4) {

**if** (num2 != 0) {

System.***out***.println("Result: " + (num1 / num2));

} **else** {

System.***out***.println("Error: Division by zero is not allowed.");

}

} **else** {

System.***out***.println("Invalid choice. Please enter a number between 1 and 4.");

}

scanner.close();

}

}

2.WAP for creating a banking Application .you have to take input from the user whether the user wants to deposit, withdraw, or find a current balance.

**package** lab2;

**import** java.util.Scanner;

**public** **class** bankapp {

**public** **static** **void** main(String[] args) {

Scanner scanner = **new** Scanner(System.***in***);

**double** balance = 0;

System.***out***.println("Banking App");

System.***out***.println("1. Deposit");

System.***out***.println("2. Withdraw");

System.***out***.println("3. Check Balance");

System.***out***.println("4. Exit");

System.***out***.print("Enter your choice: ");

**int** choice = scanner.nextInt();

**if** (choice == 1) {

System.***out***.print("Enter amount to deposit: ");

**double** depositAmount = scanner.nextDouble();

balance += depositAmount;

System.***out***.println("You deposited: " + depositAmount);

}

**else** **if** (choice == 2) {

System.***out***.print("Enter amount to withdraw: ");

**double** withdrawAmount = scanner.nextDouble();

**if** (withdrawAmount > balance) {

System.***out***.println("Insufficient balance!");

} **else** {

balance -= withdrawAmount;

System.***out***.println("You withdrew: " + withdrawAmount);

}

}

**else** **if** (choice == 3) {

System.***out***.println("Your balance is: " + balance);

}

**else** **if** (choice == 4) {

System.***out***.println("Exiting the app...");

}

**else** {

System.***out***.println("Invalid choice!");

}

scanner.close();

}

}