



Black N White

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Practical Internal Assignment 2024

Problem 1

Exercise Objective: Develop a simple Android application that converts Celsius temperatures to Fahrenheit.

Problem Statement 1: Create an app with one input field where the user can enter a temperature in Celsius. Upon pressing a "Convert" button, the app should display the temperature converted to Fahrenheit.

Expected Output: The app displays the temperature in Fahrenheit after conversion.

Problem 2

Exercise Objective: Create an Android app that calculates the Body Mass Index (BMI) and determines the weight category.

Problem Statement 2: The app should have two input fields for weight (in kilograms) and height (in meters). Upon pressing the "Calculate BMI" button, the app should display the BMI value and the corresponding weight category (Underweight, Normal, Overweight, or Obese).

Expected Output: The app displays the BMI value and the corresponding weight category.

Problem 3

Exercise Objective: Build a simple Android To-Do List app that allows users to add and remove tasks.

Problem Statement 3: Create an app with an input field to enter a task and an "Add" button to add the task to the list. Include a "Delete" button next to each task to allow removal from the list.

Expected Output: The app dynamically updates the list as tasks are added or removed.

Problem 4

Exercise Objective: Develop an Android application that counts the number of taps on a button and displays the count.



Problem Statement 4: Create an app with a button labeled "Tap me!" and a TextView to display the count of taps. Each time the button is tapped, the count should increase by one.

Expected Output: The app displays the number of times the button has been tapped.

Problem 5

Exercise Objective: Create a simple Android calculator app that performs basic arithmetic operations: addition, subtraction, multiplication, and division.

Problem Statement 5: The app should have two input fields for entering numbers and buttons for each of the four arithmetic operations. Upon selecting an operation and pressing the "Calculate" button, the app should display the result.

Expected Output: The app displays the result of the arithmetic operation.