

## **Lab Task**

You are given a list of data representing student records. Each student record is a dictionary containing the student's name, age, and a list of test scores. Your task is to create a Python program that performs the following operations using functions and lambda expressions:

### **Insert Student Record:**

Create a function `insert_student_info` that takes a student record (a dictionary) as a parameter and insert the student's name, age, and test scores in the list. Where name is string, age is integer and test scores is list of size 3.

### **Display Student Information:**

Create a function `display_student_info` that takes a student record (a dictionary) as a parameter and prints the student's name, age, and test scores.

### **Calculate Average Test Scores:**

Create a function `calculate_average_scores` that takes a list of student records and calculates the average test score for each student. Use `map` to apply this function to the list of records.

### **Filter Students Based on Age:**

Create a function `filter_students_by_age` that takes a list of student records and a minimum age as parameters. Use `filter` to filter out students who are older than or equal to the minimum age.

### **Display Filtered Students:**

Create a function `display_filtered_students` that takes a list of filtered student records and prints their information.

### **Adjust Test Scores:**

Create a function `adjust_test_scores` that takes a list of student records and a lambda function as a parameter. Apply the lambda function to each student's test scores to adjust them. `adjust` could be addition or subtraction of some marks.

### **Display Adjusted Students:**

Create a function `display_adjusted_students` that takes a list of student records with adjusted test scores and prints their information.

## **Instructions**

Define the necessary functions as described in the task.

Create a list of student records (dictionaries) with various student data.

Perform the operations using the defined functions and the given list of student records.

Test your program with different test cases, including various age filters and test score adjustments.