

C Programming

LABs Lecture 8

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LAB1

Write a C code that defines a structure for employees that contains his salary, bonus and deductions. The program shall ask the user to enter these information for three employees (Ahmed, Waleed and Amr). Then the program will print the total value shall be supplied by finance team.

```
Please Enter Ahmed Salary: 1000
Please Enter Ahmed Bonus: 500
Please Enter Ahmed Deduction: 200
Please Enter Amr Salary: 2000
Please Enter Amr Bonus: 1000
Please Enter Amr Deduction: 0
Please Enter Waleed Salary: 3000
Please Enter Waleed Bonus: 350
Please Enter Waleed Deduction: 200
Total Value Needed is 7450
```

LAB2

Repeat Lab1 using the typedef keyword when declaring the structure.

```
Please Enter Ahmed Salary: 1000
Please Enter Ahmed Bonus: 500
Please Enter Ahmed Deduction: 200
Please Enter Amr Salary: 2000
Please Enter Amr Bonus: 1000
Please Enter Amr Deduction: 0
Please Enter Waleed Salary: 3000
Please Enter Waleed Bonus: 350
Please Enter Waleed Deduction: 200
Total Value Needed is 7450
```

LAB3

Write a C code to manage a class of 10 students. Each student studies 4 subjects Math, Language, Physics and Chemistry.

First define an array of 10 elements and assign random grades for students. The system will ask the user to enter the student ID then the system will show its grades. The software shall manage wrong IDs.

```
Please Enter Student ID: 5  
Math Grade: 70  
Language Grade: 80  
Math Grade: 75  
Math Grade: 84
```

```
Please Enter Student ID: 70  
Student ID is not correct
```



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