

## VIT - Vellore

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### BCSE102P\_Structured and Object Oriented Programming Lab\_VL2024250502365

#### VIT V\_Structured and OOP\_Lab 4\_COD\_Medium\_Structures and Functions

Attempt : 1

Total Mark : 10

Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement

Create a program using a structure called Employee to manage employee information. Input the employee's name, salary, and hours worked. Implement a salary increase based on hours worked, and calculate the final salary along with the total salary over 30 days. Display the results in the console.

Salary increase criteria:

If hours worked  $\geq 12$ , the increase is \$150.00. If hours worked  $\geq 10$ , but less than 12, the increase is \$100.00. If hours worked  $\geq 8$ , but less than 10, the increase is \$50.00. If hours worked  $< 8$ , there is no increase, so the return value is \$0.00.

**Answer**

```
// You are using GCC
#include<stdio.h>
struct Employee{
    char name[100];
    float salary;
    int hrs;
};
int main(){
    struct Employee e;
    scanf("%s",&e.name);
    scanf("%f",&e.salary);
    scanf("%d",&e.hrs);
    if(e.hrs>=12){
        printf("Final salary: $%.2f\n",e.salary+150);
        printf("Total Salary: $%.2f\n",(e.salary+150)*30);
    }
    else if(e.hrs>= 10 && e.hrs<12){
        printf("Final salary: $%.2f\n",e.salary+100);
        printf("Total Salary: $%.2f\n",(e.salary+100)*30);
    }
    else if(e.hrs>= 8 && e.hrs<10){
        printf("Final salary: $%.2f\n",e.salary+50);
        printf("Total Salary: $%.2f\n",(e.salary+50)*30);
    }
    else{
        printf("Final salary: $%.2f\n",e.salary);
        printf("Total Salary: $%.2f\n",(e.salary)*30);
    }
    return 0;
}
```

**Status : Correct**

**Marks : 10/10**