

VIT - Vellore

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BCSE102P_Structured and Object Oriented Programming Lab_VL2024250502365

VIT V_Structured and OOP_Lab 4_COD_Medium_Array within Structure

Attempt : 1

Total Mark : 10

Marks Obtained : 10

Section 1 : Coding

1. Problem Statement

Create a structure Customer to store the customer name, account number, and account balance of N customers.

Write a program that performs the following operations:

Print the names of all the customers having a balance of less than Rs. 200.

If the customer has more than Rs. 1000 in their account, add 3% as interest to the current balance and print the updated balance.

Answer

```
#include<stdio.h>
struct Customer{
```

```

    char name[50];
    int acc_no;
    float balance;
};
int main(){
    int n;
    scanf("%d",&n);
    struct Customer c[10];
    for(int i = 0; i < n; i++){
        scanf("%s %d %f",&c[i].name,&c[i].acc_no,&c[i].balance);
    }
    printf("Customers with balance less than Rs.200:\n");
    for(int i = 0; i < n; i++){
        if(c[i].balance < 200){
            printf("%s ",c[i].name);
        }
    }
    printf("\n");
    for(int i = 0; i < n; i++){
        if(c[i].balance > 1000){
            printf("Updated balance of %s: Rs. %.2f\n",c[i].name,c[i].balance+
(c[i].balance*0.03));
        }
    }
    return 0;
}

```

Status : Correct

Marks : 10/10