

2.) Write a C program to compute the monthly pay of 100 employees using each employee's name, basic pay, Gross - Salary (basic pay + DA). Print the employees name and gross salary.

```

=> #include <stdio.h>
#define EMP_COUNT 100
struct Employee {
    char name [50];
    float basic pay Pay;
    float gross salary;
};

float computeGross (float basic Pay) {
    float DA = 0.52 * basic Pay;
    return basic Pay + DA;
}

int main() {
    struct Employee emp [EMP_COUNT];
    int i, n;
    printf ("Enter number of employees (max %d):",
            EMP_COUNT);
    scanf ("%d", &n);

    if (n > EMP_COUNT) {
        printf ("Number of Employees Cannot exceed %d.\n",
                EMP_COUNT);
        return 1;
    }

```

Remarks:

Teacher's Signature


```

for (i = 0; i < n; i++) {
    printf ("\n Enter details of employee %d\n", i+1);
    printf ("Name: ");
    scanf ("%s", emp[i].name);
    printf ("Basic Pay: ");
    scanf ("%f", &emp[i].basic Pay);
    emp[i].gross Salary = compute Gross (emp[i].basic Pay);
    printf ("\n --- Employee Gross Salary list ---\n");
    printf ("%20s %15s\n", "Employee Name", "Gross Salary");
    printf ("-----\n");

    for (i = 0; i < n; i++) {
        printf ("%20s %15s\n", emp[i].name, emp[i].gross Salary);
    }
    return 0;
}

```

main.c

Share

Run

```
1 #include <stdio.h>
2
3 #define EMP_COUNT 100
4
5 struct Employee {
6     char name[50];
7     float basicPay;
8     float grossSalary;
9 };
10
11 float Compute_Gross(float basicPay) {
12     float DA = 0.52 * basicPay;
13     return basicPay + DA;
14 }
15
16 int main() {
17     struct Employee emp[EMP_COUNT];
18     int i, n;
19
20     printf("Enter number of employees (max %d): ", EMP_COUNT);
21     scanf("%d", &n);
22
23     if (n > EMP_COUNT) {
24         printf("Number of Employees cannot exceed %d.\n", EMP_COUNT);
25     }
26 }
```

Output

Enter number of employees (max 100): 3
Enter details of employee 1
Name: Rohan
Basic Pay: 50000
Enter details of employee 2
Name: Pankaj
Basic Pay: 65000
Enter details of employee 3
Name: Rahul
Basic Pay: 42000
--- Employee Gross Salary List ---
Employee Name Gross Salary

Rohan 76000.00
Pankaj 98800.00
Rahul 63840.00
=== Code Execution Successful ===