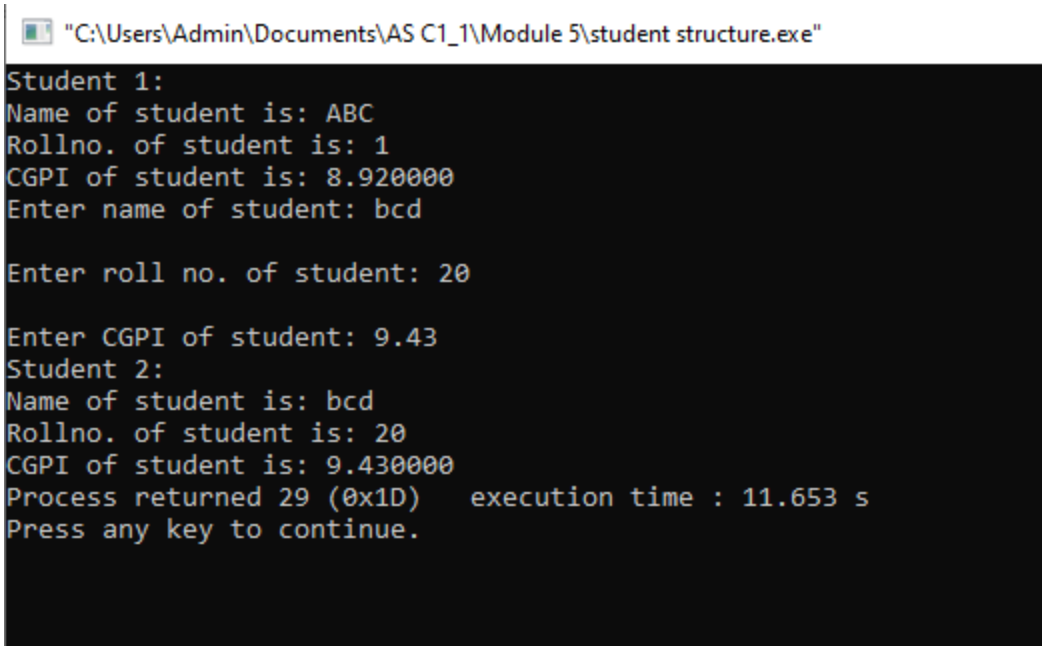
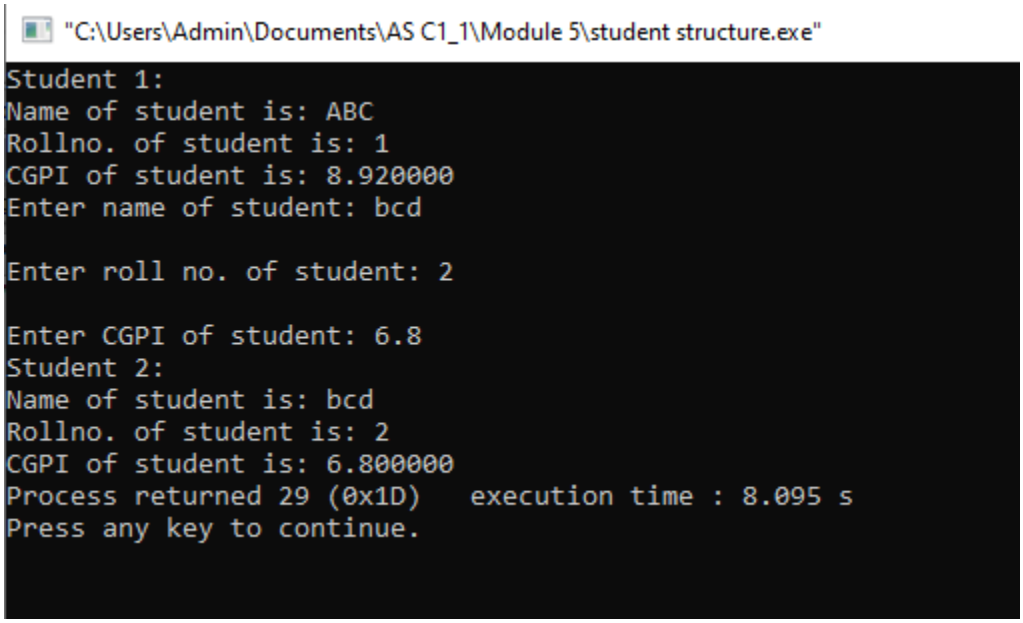
Tutorial 7

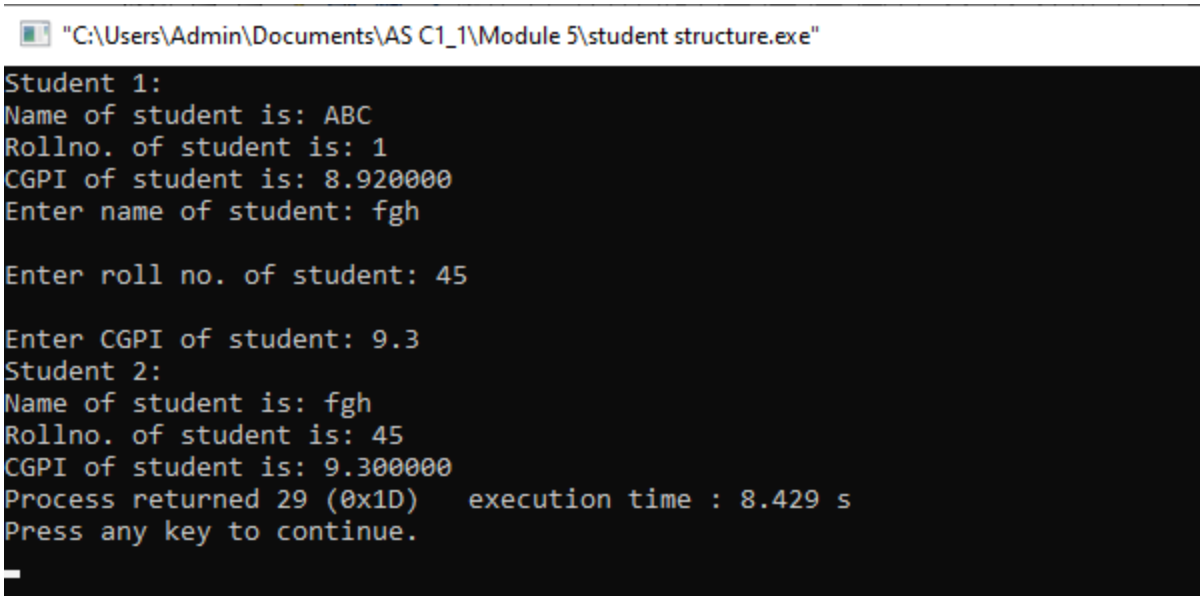
Name: Aditi Singh
Batch: C1_1
Roll no.: 16010123020

Q1

```
#include<stdio.h>

struct student{
    char name[50];
    int rollno;
    float cgpi;
}s2;

int main()
{
    struct student s1={"ABC",01,8.92};

    printf("Student 1:");
    printf("\nName of student is: %s",s1.name);
    printf("\nRollno. of student is: %d",s1.rollno);
    printf("\nCGPI of student is: %f",s1.cgpi);

    printf("\nEnter name of student: ");
    scanf("%s",&s2.name);
    printf("\nEnter roll no. of student: ");
    scanf("%d",&s2.rollno);
    printf("\nEnter CGPI of student: ");
    scanf("%f",&s2.cgpi);

    printf("Student 2:");
    printf("\nName of student is: %s",s2.name);
    printf("\nRollno. of student is: %d",s2.rollno);
    printf("\nCGPI of student is: %f",s2.cgpi);
}
```


"C:\Users\Admin\Documents\AS C1_1\Module 5\student structure.exe"
Student 1:
Name of student is: ABC
Rollno. of student is: 1
CGPI of student is: 8.920000
Enter name of student: bcd
Enter roll no. of student: 20
Enter CGPI of student: 9.43
Student 2:
Name of student is: bcd
Rollno. of student is: 20
CGPI of student is: 9.430000
Process returned 29 (0x1D)   execution time : 11.653 s
Press any key to continue.

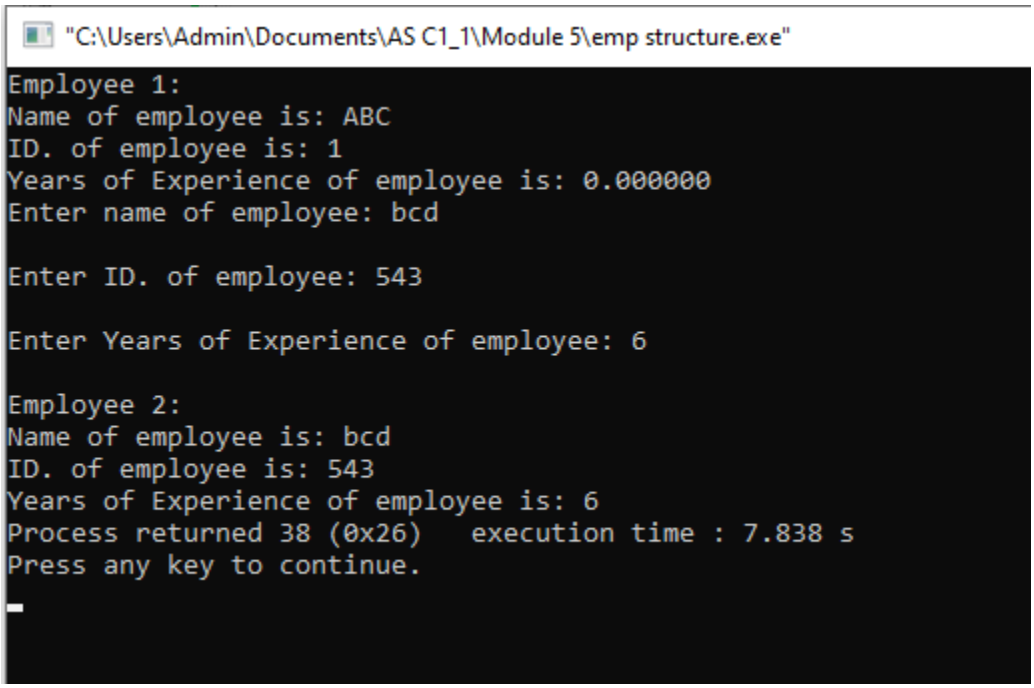

"C:\Users\Admin\Documents\AS C1_1\Module 5\student structure.exe"
Student 1:
Name of student is: ABC
Rollno. of student is: 1
CGPI of student is: 8.920000
Enter name of student: bcd
Enter roll no. of student: 2
Enter CGPI of student: 6.8
Student 2:
Name of student is: bcd
Rollno. of student is: 2
CGPI of student is: 6.800000
Process returned 29 (0x1D)   execution time : 8.095 s
Press any key to continue.

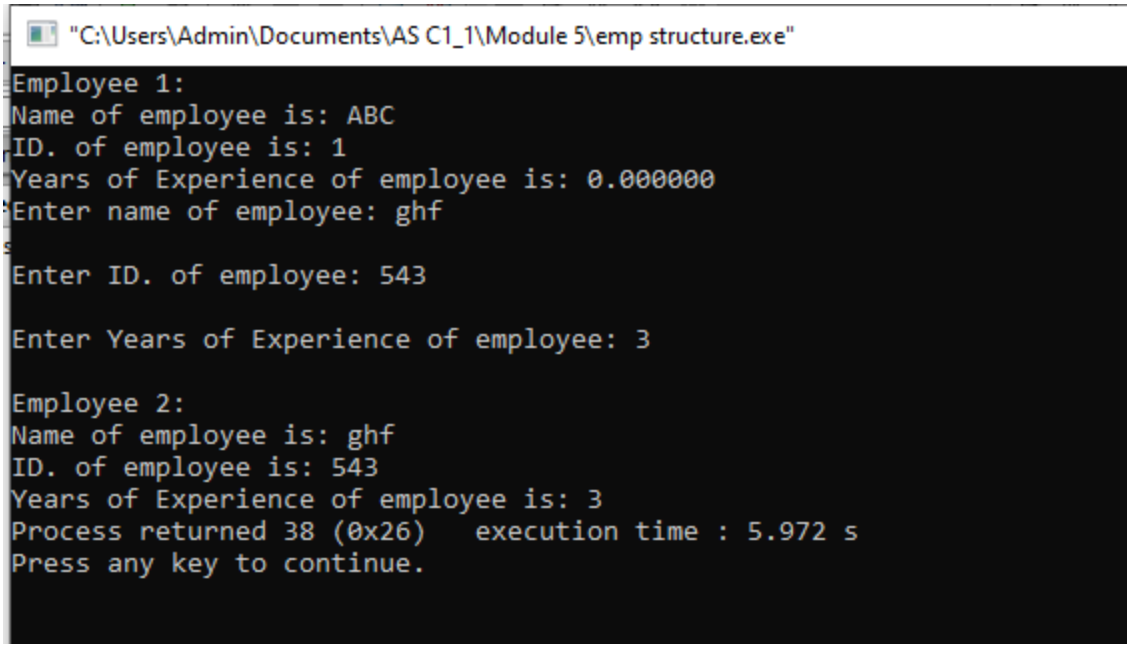


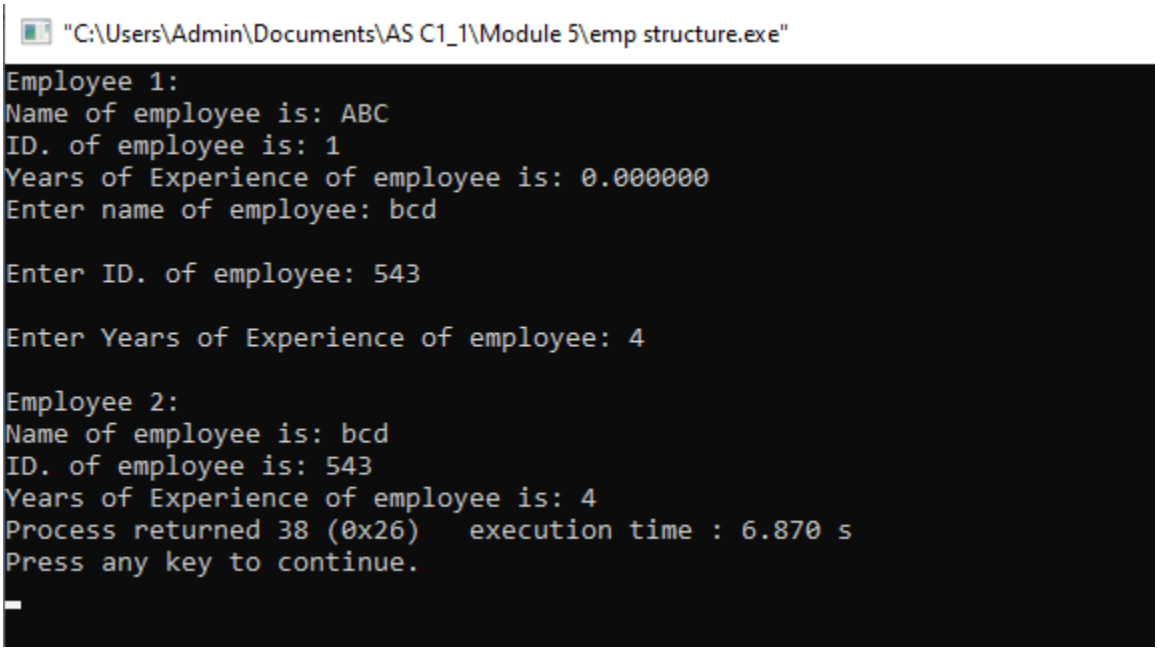
Q2

```
#include<stdio.h>

struct employee{
    char name[50];
    int id;
    int yoe;
}s1,s2;

int main()
{
    struct employee s1={"ABC",01,5};


    printf("Employee 1:");
    printf("\nName of employee is: %s",s1.name);
    printf("\nID. of employee is: %d",s1.id);
    printf("\nYears of Experience of employee is: %f",s1.yoe);

    printf("\nEnter name of employee: ");
    scanf("%s",&s2.name);
    printf("\nEnter ID. of employee: ");
    scanf("%d",&s2.id);
    printf("\nEnter Years of Experience of employee: ");
```

```
    scanf("%d",&s2.yoe);

    printf("\nEmployee 2:");
    printf("\nName of employee is: %s",s2.name);
    printf("\nID. of employee is: %d",s2.id);
    printf("\nYears of Experience of employee is: %d",s2.yoe);
}
```







Q3

```
#include<stdio.h>

struct car{
    char name[50];
    int carno;

}s[5];
```

```
int main()
{
    printf("Name: Aditi Singh, Batch: C1_1, Roll no. 16010123020 ");
    input(s);
    display(s);
}

void input(){
    int i;
    for (i=0;i<5;i++){
        printf("\n\nCar %d",i+1);
        printf("\nEnter name of car: ");
        scanf("%s",s[i].name);
        printf("\nEnter number of car: ");
        scanf("%d",&s[i].carno);
    }
}

void display(){
    int i;
    for (i=0;i<5;i++){
        printf("\n\nCar %d",i+1);
        printf("\nName of car is: %s",s[i].name);
        printf("\nNumber of car is: %d",s[i].carno);
    }
}
```

```
Name: Aditi Singh, Batch: C1_1, Roll no. 16010123020

Car 1
Enter name of car: hgf

Enter number of car: 5


Car 2
Enter name of car: ghfd

Enter number of car: 8


Car 3
Enter name of car: ghd

Enter number of car: 3


Car 4
Enter name of car: gfd

Enter number of car: 7


Car 5
Enter name of car: rty

Enter number of car: 4


Car 1
Name of car is: hgf
Number of car is: 5

Car 2
Name of car is: ghfd
Number of car is: 8

Car 3
Name of car is: ghd
Number of car is: 3

Car 4
Name of car is: gfd
Number of car is: 7

Car 5
Name of car is: rty
Number of car is: 4
Process returned 20 (0x14)   execution time : 11.181 s
```

```
Name: Aditi Singh, Batch: C1_1, Roll no. 16010123020

Car 1
Enter name of car: rew

Enter number of car: 4


Car 2
Enter name of car: uyt

Enter number of car: 5


Car 3
Enter name of car: jhg

Enter number of car: 7


Car 4
Enter name of car: gfd

Enter number of car: 6


Car 5
Enter name of car: ghj

Enter number of car: 4


Car 1
Name of car is: rew
Number of car is: 4

Car 2
Name of car is: uyt
Number of car is: 5

Car 3
Name of car is: jhg
Number of car is: 7

Car 4
Name of car is: gfd
Number of car is: 6

Car 5
Name of car is: ghj
Number of car is: 4
Process returned 20 (0x14)   execution time : 11.098 s
```

```
Name: Aditi Singh, Batch: C1_1, Roll no. 16010123020

Car 1
Enter name of car: ewq

Enter number of car: 4


Car 2
Enter name of car: rew

Enter number of car: 5


Car 3
Enter name of car: tre

Enter number of car: 6


Car 4
Enter name of car: ytr

Enter number of car: 7


Car 5
Enter name of car: uyt

Enter number of car: 8


Car 1
Name of car is: ewq
Number of car is: 4

Car 2
Name of car is: rew
Number of car is: 5

Car 3
Name of car is: tre
Number of car is: 6

Car 4
Name of car is: ytr
Number of car is: 7

Car 5
Name of car is: uyt
Number of car is: 8
Process returned 20 (0x14)   execution time : 9.094 s
```