

Lab 1. Topic: Structures

- i. WAP to input name, roll number and marks in 5 subjects for a student, and display it.
- ii. WAP to input name, roll number and marks in 5 subjects for n number of students. Write functions to:-

- a. Find total marks and percentage of all n students.

```
Void calc(struct stud s[], int n)
```

```
{ for (I=0;I<n;I++)
```

```
{ int sum=0;
```

```
For (j=0;j<5;j++)
```

```
Sum=sum+s[I].marks[j];
```

```
S[I].tot=sum;
```

```
S[I].perc=sum/5;
```

```
}
```

```
}
```

```
Int main(){
```

```
Struct stud s1[10];
```

```
Calc(s1, num);
```

- b. Display details of a student with a given roll number.

```
Void find(struct stud s[], int n, int rollno)
```

```
{ for(I=0;I<n;I++)
```

```
{
```

```
If(s[I].roll==rollno)
```

```
{
```

```
}
```

```
}
```

```
}
```

c.

d.

e.

- f. Display the details for all the students having percentage in a given range.

```
Void find(struct stud s[], int n, int lower, int upper){
```

- g. Sort the array in ascending order of marks.
- iii. WAP to enter id, name, age and basic salary of n number of employees. Calculate the gross salary of all the employees and display it along with all other details .

[Gross salary= Basic salary + DA + HRA,
DA = 80% of Basic salary
HRA=10% of Basic salary]