

Assignment - 21

1- `#include <stdio.h>`
`struct Employee`

`{`
`int id ;`
`char name[10] ;`
`float salary ;`

`}`

`2&3- #include <stdio.h> #include <string.h>`
`struct Employee input() ;`
`void display(struct Employee s) ;`

`struct Employee`
`{`

`int id ;`
`char name[15] ;`
`float salary ;`

`}`

`struct Employee input()`
`{`

`struct Employee e ;`
`printf("Enter id, name and salary \n") ;`
`scanf("%d", &e.id) ;`
`fflush(stdin) ;`

`fgets(e.name, 15, stdin) ;`
`e.name[strlen(e.name)-1] = '\0' ;`
`scanf("%f", &e.salary) ;`
`return e ;`

`}`

3- void display (struct Employee s) {

 printf (" %d %s %.f ", s.id, s.name, s.salary);

4&5- void sort (struct Employee e[], int size)

 int i, j;
 struct Employee temp;

 for (i=0; i<size-1; i++)

 for (j=i+1; j<size; j++)

 if (e[i].salary > e[j].salary)

 temp = e[i];

 e[i] = e[j];

 e[j] = temp;

int main ()

 struct Employee e1[5];

 int i;

 for (i=0; i<5; i++)

 e1[i] = input();

sort (el, 5);

for (i=0; i<5; i++)

{

 display (el[i]);

}

 return 0;

}

8. #include <stdio.h>

struct student input();

void display (struct student s);

struct Student

{

 int rollno;

 char name[15];

 int marks;

}

struct student input();

{ struct student s;

 printf("Enter roll no., name, marks");

 scanf("%d", &s.rollno);

 fflush(stdin);

 fgets(s.name, 15, stdin);

 scanf("%d", &s.marks);

 return s;

}

void display(struct student e)

```
printf(" Roll no. = %d", e.rollno);
printf(" Name = %s", e.name);
printf(" Marks = %d", e.marks);
```

3

int main()

struct student sl[10];

```
int i;
for(i=0; i<10; i++)
    sl[i] = input();
for(i=0; i<10; i++)
    display(sl[i]);
return 0;
```

3.

8) Q. int main()

```
printf(" Enter number of Students \n");
scanf("%d", &n);
struct student sl[n];
int i;
for(i=0; i<n; i++)
    sl[i] = input();
for(i=0; i<n; i++)
    display(sl[i]);
return 0;
```

3

10 - #include <stdio.h>

#include <string.h>

struct marks display();
void display(struct marks s);

struct marks

{

int rollno;

char name[20];

int chem_marks;

int maths_marks;

int physics_marks;

int sum;

int float; float perc =

}

struct marks input()

{

struct marks m;

printf("Enter rollno, name, chem_marks, maths_marks,

physics_marks\n");

scanf("%d", &m.rollno);

fflush(stdin);

scanf("%d %d %d",

&m.chem_marks, &m.maths_marks,

&m.physics_marks);

m.sum = m.chem_marks + m.maths_marks + m.physics_marks;

m.percentage = (float)(m.sum / (float)300) * 100;

return m;

}

void display (struct marks m[]) {

{

```
int sum = 0; printf ("Name = %s \n", m[0].name );
int pcc; printf ("Roll. = %.d \n", m[0].rollno );
printf ("Chemistry = %.d \n", m[0].chem-marks );
printf ("Physics = %.d \n", m[0].physics-marks );
printf ("Maths = %.d \n", m[0].maths-marks );
printf ("Sum = %.d \n", m[0].sum );
printf ("Percentage = %.f \n", m[0].pcc );
```

}

int main ()

{

struct marks s1[5];

int i; /* (for loop 1 "b" <= b) */

for (i = 0; i < 5; i++)

s1[i] = input();

for (i = 0; i < 5; i++)

display (s1[i]);

printf ("\n");

}

}

return 0;

(i = <i>)