ID: 021202076

Labsheet-8

1.

(i)
```
struct college{
  char code[2];
  char name[32];
  int establishment;
  int courses;
};
```

(ii)
```
struct courses{
    char course_name[20];
    int duration;
    int students;
};

struct college{
    char code[2];
    char name[32];
    int establishment;
    struct courses *co;
};
struct courses *co =(struct coursesn *)malloc(sizeof(struct courses)*50);
```

2.
```
#include <stdio.h>
#include <stdlib.h>

struct address{
   int fl_no;
```

```
    char road[32];
    int zipcode;
    char district[12];
};

struct records{
    int emp_id;
    char name[32];
    char designation[28];
    struct address adr;
    double salary;
    };
int main()
{
    struct records employee[5]={
        {8,"Md. Rasid", "Chief Engineer", {10/2,"Nazmuddin Road", 1205, "Dhaka"},63000.001},
        {9, "Karim", "Assitant Engineer", {128/8,"Nazmuddin Road", 1205, "Dhaka"},48000.22},
        {10,"Md. Kabir", " Assistant Engineer", {10/2,"Nazmuddin Road", 1205, "Dhaka"},47000.31},
        {11,"Md. Rohan", "Sub-Assistant Engineer", {10/2,"Nazmuddin Road", 1205,
"Dhaka"},34000.001},
        {12,"Md. Rafiq", "Sub-Assistant Engineer", {10/2,"Nazmuddin Road", 1205, "Dhaka"},32000.2}

        };
    int i;
    for (i=0; i<5; i++)
    {
       printf("ID: %d \nName: %s \nDesignation: %s\nfloat no: %d \nRoad: %s \nZip: %d \nDistrict: %s
\nSalary: %lf \n\n\n",
            employee[i].emp_id,employee[i].name,employee[i].designation,
            employee[i].adr.fl_no,employee[i].adr.road,employee[i].adr.zipcode,
            employee[i].adr.district,employee[i].salary);
    }
```

```
    return 0;
}
```