I.   True or False

1. False

2. False

3. True

4. True

5. False

II.   Application

1.

```c
#include <stdio.h>

  struct   employee{
    char ename[10];
    int sal;
};

main (){
    struct employee  emp [5];
    int i,j,n;
    printf("Enter number of employees:");
    scanf("%d",&n);

    for (i=0;i<n;i++){
        printf("\nEnter %dst employee record\n",i+1);
        printf("\nEmployee name\t");
        scanf("%s", &emp[i].ename );
        printf("\nEnter employee salary\t");
        scanf("%d", &emp[i].sal );
    }

    printf("\nDisplaying Employee record\n");
    for (i=0;i<n;i++){
        printf("\nEmployee name is %s", emp[i].ename );
        printf("\nSalary is %d", emp[i].sal );
    }
}
```

2.

```c
#include <stdio.h>
struct fraction{
    int num;
    int deno;
};
//body of function sum
struct fraction sum(struct fraction f1, struct fraction f2){
    int numerator,denominator;
    numerator = (f1.num*f2.deno)+(f2.num*f1.deno);
    denominator = f1.deno*f2.deno:
    struct fraction result = {numerator,denominator};
    return result;
}

int main(){
    int num1,deno1,num2,deno2;
    printf("Fraction 1 numerator & denominator:");
    scanf("%d%d",&num1,&deno1);
    printf("Fraction 2 numerator & denominator:");
    scanf("%d%d",&num2,&deno2);
    //initialize the values of the structure
    struct fraction f1 = {num1,deno1};
    struct fraction f2 = {num2,deno2};
    struct fraction result = sum(f1,f2);
    printf("Result=%d/%d",result.num,result.deno);
    return 0;
}
```

III.   Bonus
1. In what areas does your teacher in CMSC 21 need to improve?
    - I can't think of anything to improve? Maybe a much louder voice in doing lectures? I really loved the short clips of lectures where each part is discussed in atleast 5minutes, in that way it ain't taxing to see as the student might get bored at just the sight of a 30mins-1hr continuous lecture.

2. Any suggestions on how we can improve learning in class?
    - Maybe titling the video links in the lms as playlist of clips? Some might not look at it with fear of it being an hour long video.

3. Message to future students

- This subject can be very confusing at many times, very frustrating at times when just a single misspelled variable breaks the whole code, just hang on! It will be enjoyable in somedays, the joy of learning how to do it and be able to run it successfully without errors. Whenever you have trouble understanding a lesson, don't forget to ask your professors about it as they are there to guide you!

4. I wish I did/I wish I didn't
   - I wish I consulted with my professor regarding the lessons, whenever I got stucked I either repeat the topic plenty of times to get what is happening or maybe find some videos on youtube about coding. Maybe if I just consulted my prof it would have been much faster?