Pull with git.

1.

```
#include <stdio.h>
int main()
{
    int sum = 0, max = 0;
    int iter = 0;
    size_t size = 5;
    int arr[size];
    for(iter = 0 ; iter < size; iter++)
        scanf("%d" , &arr[iter]);
    for(iter = 0 ; iter < size; iter++)
        sum+=arr[iter];
    for(iter = 0 ; iter < size; iter++)
    {
        if(max < arr[iter])
            max = arr[iter];
    }
    printf("Max %d , Sum %d , Mean %0.2f\nReverse Order:" , max , sum ,
(float)sum/size);
    for(iter = size - 1 ; iter >= 0; iter--)
        printf("%d " , arr[iter]);


}
```

2.

```
#include <stdio.h>
int main()
{
    int temp = 0;
    int input = 0;
    scanf("%d", &input);
    temp = input%10;
    input/=10;
    while (input > 0)
    {
        if (temp > input % 10)
        {
            temp = input%10;
            input /= 10;
        }
        else
        {
            printf("Not ordered");
            return 0;
        }
    }
    printf("Ordered");
    return 0;
}
```

3.

```
#include <stdio.h>
int main()
{
    size_t size = 5;
    int arr[size];
    int temp = -1;
    int iter = 0, iter2 = 0;
    for (iter = 0; iter < size; iter++)
        scanf("%d", arr + iter);
    for (iter = 0; iter < size; iter++)
    {
        for (iter2 = iter + 1; iter2 < size; iter2++)
        {
            if (arr[iter] == arr[iter2])
            {
                printf("Duplicate Found");
                return 0;
            }
        }
    }
    printf("Duplicate Not Found");
    return 0;
}
```

4.

```
#include <stdio.h>

const int size_x = 2, size_y = 2;
int matrix1[size_x][size_y], matrix2[size_x][size_y], sum[size_x][size_y],
sub[size_x][size_y];

int main()
{
    int iter_x, iter_y;
    printf("Enter First Matrix\n");
    for (iter_x = 0; iter_x < size_x; iter_x++)
    {
        for (iter_y = 0; iter_y < size_y; iter_y++)
        {
            printf("%d:%d Element: ", iter_x+1, iter_y+1);
            scanf("%d", &matrix1[iter_x][iter_y]);
        }
    }
    printf("Enter Second Matrix\n");
    for (iter_x = 0; iter_x < size_x; iter_x++)
    {
        for (iter_y = 0; iter_y < size_y; iter_y++)
        {
            printf("%d:%d Element: ", iter_x+1, iter_y+1);
            scanf("%d", &matrix2[iter_x][iter_y]);
        }
    }
    for (iter_x = 0; iter_x < size_x; iter_x++)
    {
        for (iter_y = 0; iter_y < size_y; iter_y++)
```

```
            sum[iter_x][iter_y] = matrix1[iter_x][iter_y] + matrix2[iter_x]
[iter_y];
    }
    for (iter_x = 0; iter_x < size_x; iter_x++)
    {
        for (iter_y = 0; iter_y < size_y; iter_y++)
            sub[iter_x][iter_y] = matrix1[iter_x][iter_y] - matrix2[iter_x]
[iter_y];
    }
    printf("Sum Matrix: \n");
    for (iter_x = 0; iter_x < size_x; iter_x++)
    {
        for (iter_y = 0; iter_y < size_y; iter_y++)
        {
            if (iter_y % size_y == 0)
                putchar('\n');
            printf("%d\t", sum[iter_x][iter_y]);
        }
    }
    printf("\nSub Matrix: \n");
    for (iter_x = 0; iter_x < size_x; iter_x++)
    {
        for (iter_y = 0; iter_y < size_y; iter_y++)
        {
            if (iter_y % size_y == 0)
                putchar('\n');
            printf("%d\t", sub[iter_x][iter_y]);
        }
    }
}
```

5.

```
#include <stdio.h>
int main()
{
    const char str[] = "Hello, World";
    int iter = 0;
    for (iter = sizeof(str) / sizeof(char) - 1; iter >= 0; iter--)
    {
        printf("%c", str[iter]);
    }
}
```