

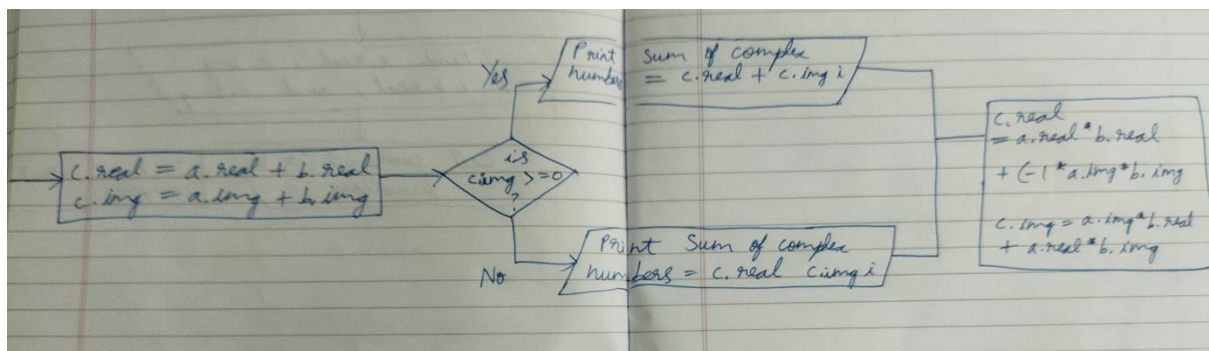
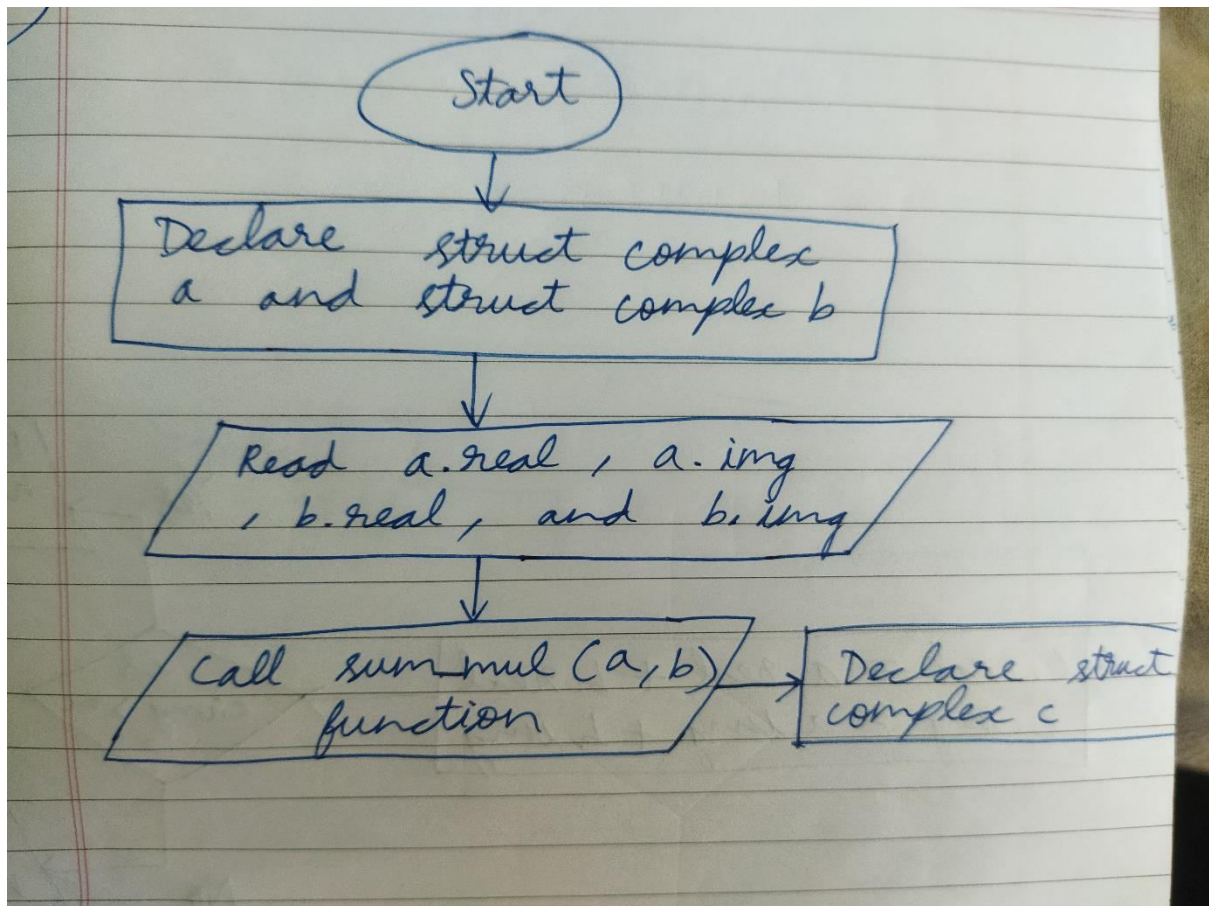
LAB ASSIGNMENT 12

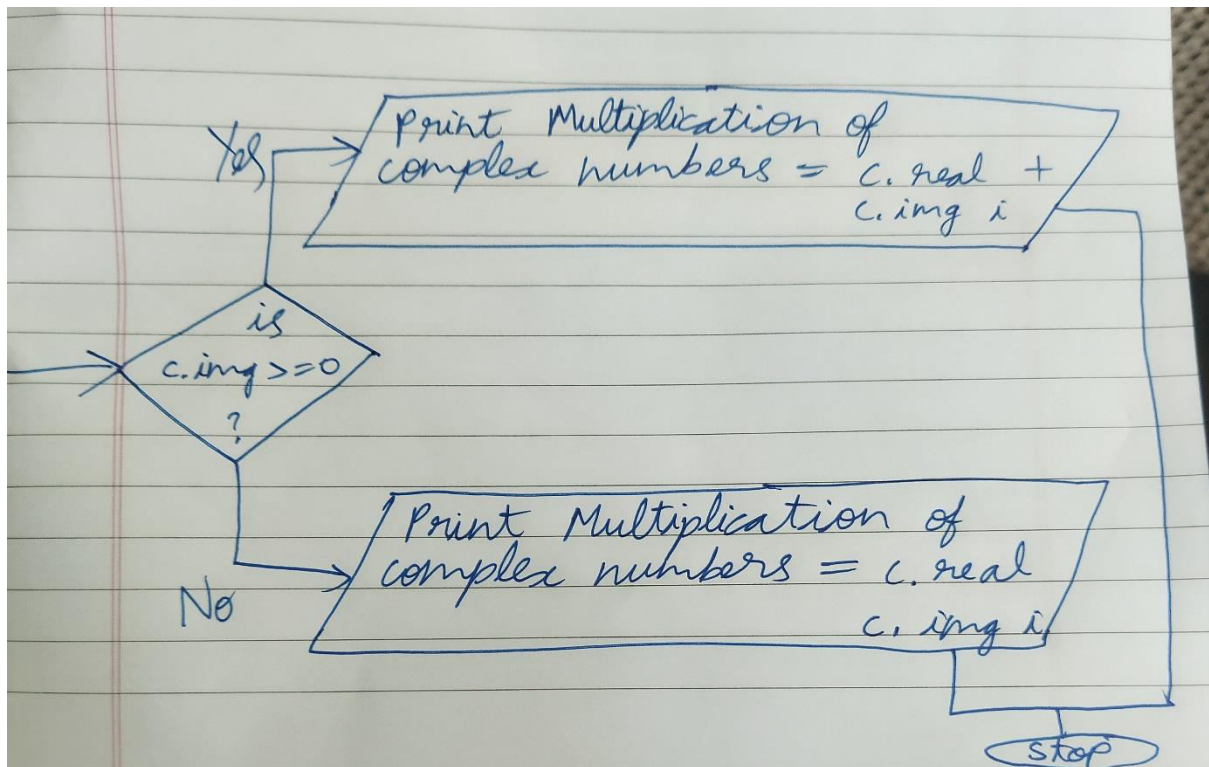
1.

```
main.c
19
20     c.real = a.real*b.real + (-1*a.img*b.img);
21     c.img = a.img*b.real + a.real*b.img;

input
Enter a and b where a + ib is the first complex number.
a = 4
b = 3
Enter c and d where c + id is the second complex number.
c = 5
d = -1

Sum of the complex numbers = 9 + 2i
Multiplication of the complex numbers = 23 + 11i
< ...Program finished with exit code 0
Press ENTER to exit console.
```





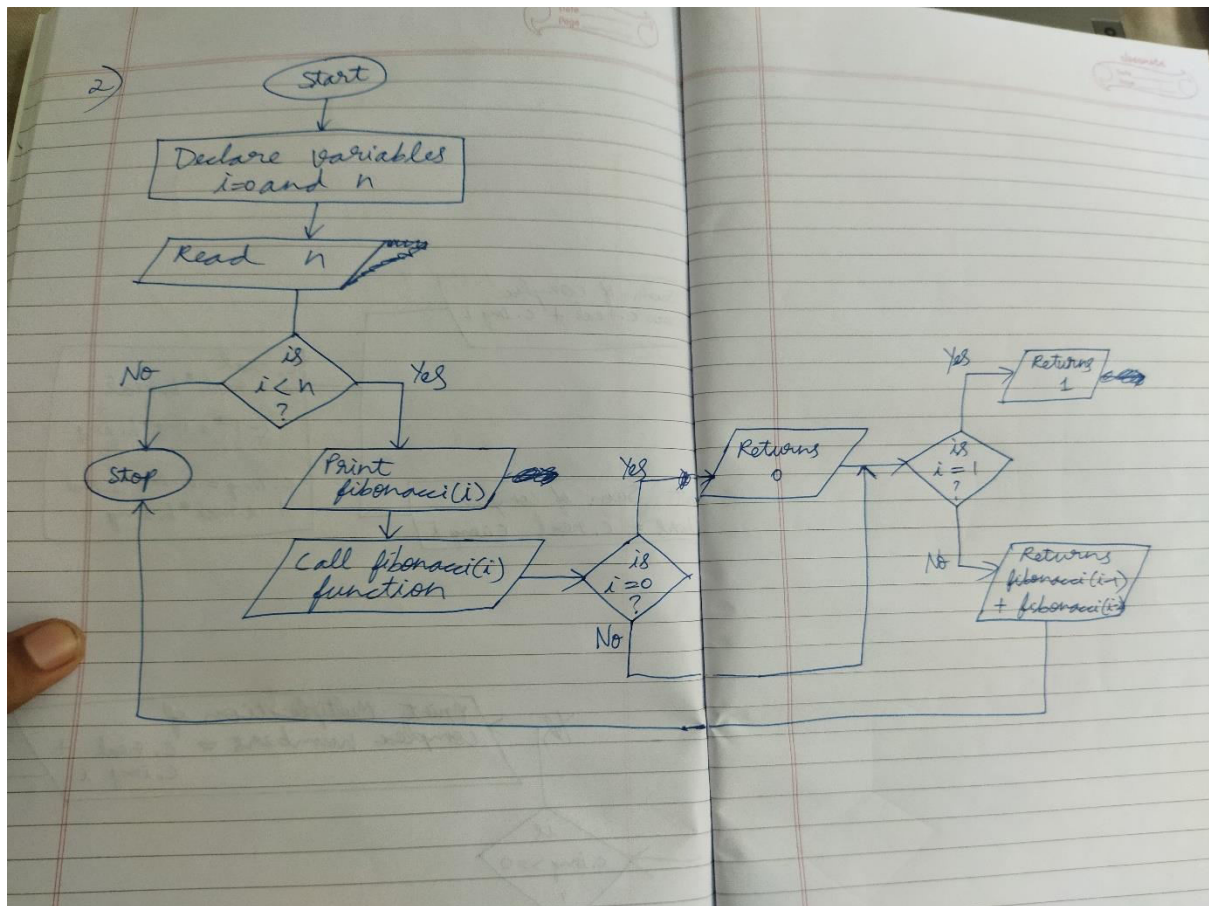
```

main.c
5  if (1 == 0) {
6      return 0;
7  }
8
Enter number of terms: 12
The Fibonacci series upto 12 terms:
0
1
1
2
3
5
8
13
21
34
55
89

...Program finished with exit code 0
Press ENTER to exit console.

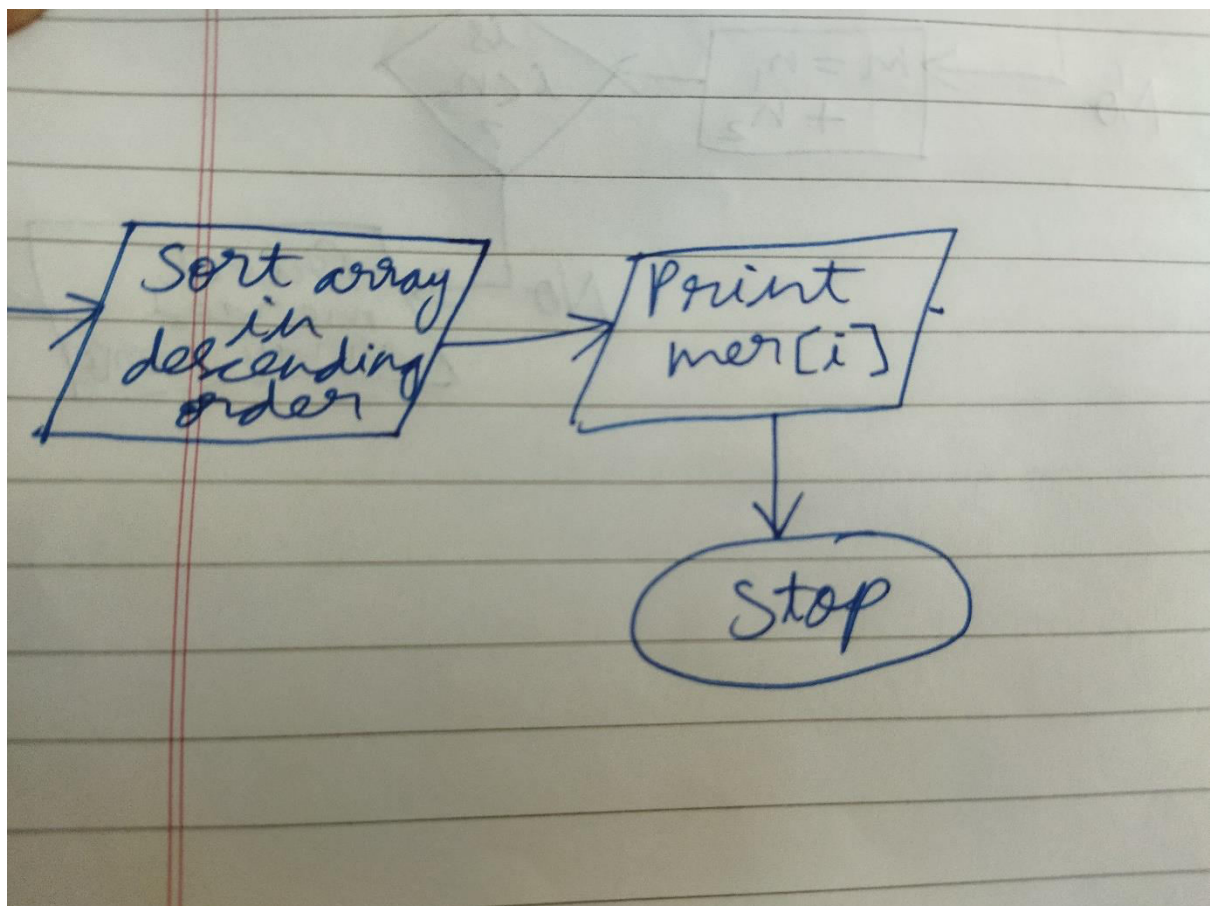
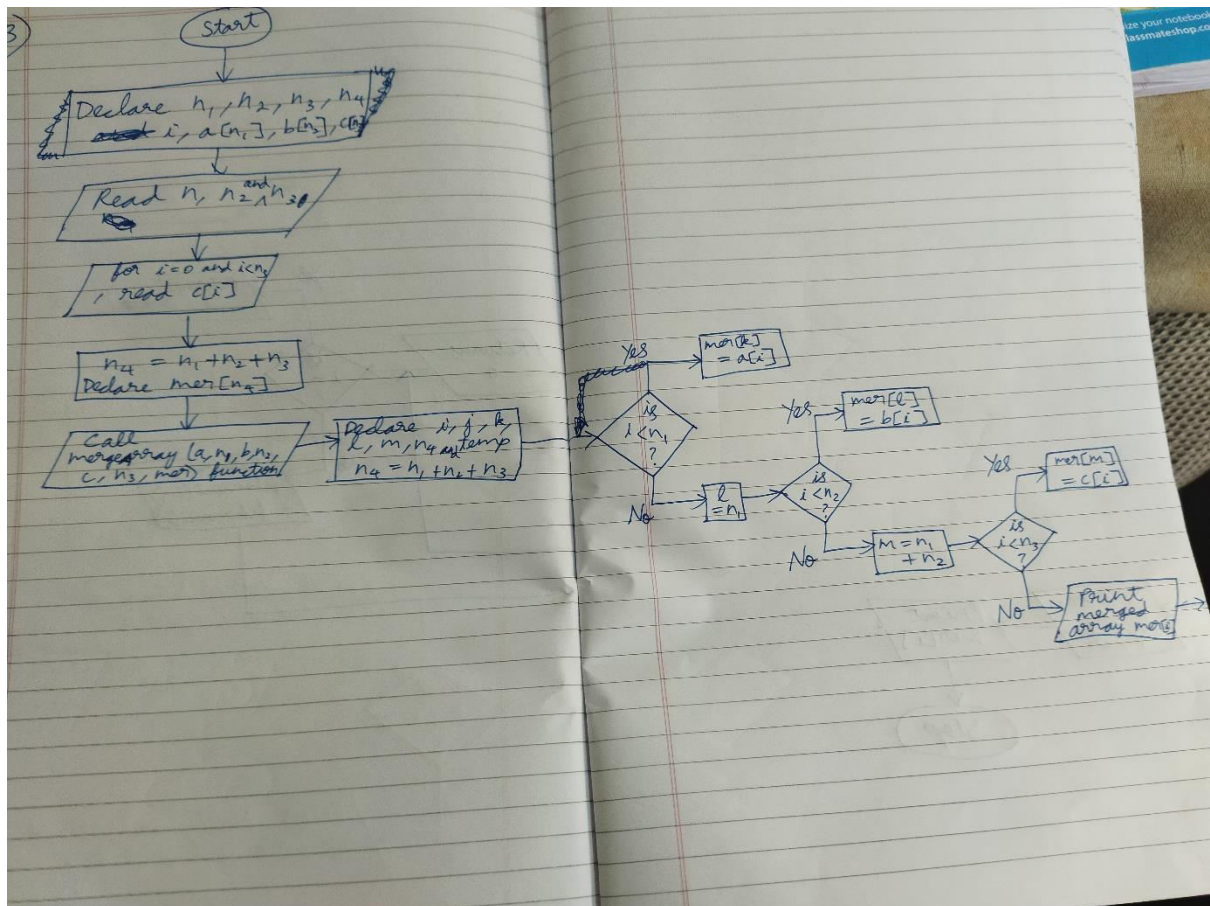
```

2.



```
main.c
Enter size of First Array : 4
Enter the elements for First Array : 2
0
89
34
Enter size of second Array : 5
Enter the elements for Second Array : -9
-89
76
90
0
Enter size of third Array : 3
Enter the elements for third Array : 2
0
1
The merged array is
2 0 89 34 -9 -89 76 90 0 2 0 1
After sorting the sorted array is
90 89 76 34 2 2 1 0 0 0 -9 -89
...Program finished with exit code 0
Press ENTER to exit console.
```

3.



```
main.c
9 while(name[i] != '\0')
10 {
11     i++;
12     if(name[i]=='G')
13         count++;
14 }
15 printf("count of girls = %d, size=%d\n", count, strlen(name));
16 return 0;
17 }
```

count of girls = 4, size=6
GGGGBB

...Program finished with exit code 0
Press ENTER to exit console.

4.