

Evaluation programs :
Program 1

```
Users > umanggoel > Desktop > college > ccp > lab6 > C eval_1.c > main()
1 //1. Develop a program to calculate the sum of squares of first n odd numbers
2 #include<stdio.h>
3 int main(){
4     int n;
5     printf("Enter n : ");
6     scanf("%d",&n);
7     int s=0;
8     for(int i=0;i<(2*n);i++){
9         if(i%2!=0)
10            s+=(i*i);
11     }
12     printf("\nSum of first %d odd numbers = %d\n",n,s);
13 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
umangs-MacBook-Air-2:lab6 umanggoel$ cd "/Users/umanggoel/Desktop/college/ccp/lab6/"
Enter n : 4

Sum of first 4 odd numbers = 84
```

Program 2

```
1 //2. Develop a C program to interchange the largest and smallest number in the given array.
2 #include<stdio.h>
3 int main()
4 {
5     int n;
6     printf("Enter n : ");
7     scanf("%d",&n);
8     int arr1[n];
9     for(int i=0;i<n;i++){
10         printf("Enter ele %d : ",i+1);
11         scanf("%d",&arr1[i]);
12     }
13     int large = arr1[0],largepos;
14     int small = arr1[0],smallpos;
15     for(int i=0;i<n;i++){
16         if(arr1[i]>large){
17             large = arr1[i];
18             largepos = i;
19         }
20         if(arr1[i]<small){
21             small = arr1[i];
22             smallpos = i;
23         }
24     }
25     int temp;
26     temp = arr1[largepos];
27     arr1[largepos]=arr1[smallpos];
28     arr1[smallpos]=temp;
29     for(int i=0;i<n;i++){
30         printf("\n%d",arr1[i]);
31     }
32     printf("\n");
33 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
Enter n : 5
Enter ele 1 : 111
Enter ele 2 : 222
Enter ele 3 : 333
Enter ele 4 : 444
Enter ele 5 : 555
```

```
555
222
333
444
111
```

```
umangs-MacBook-Air-2:lab6 umanggoel$
```