

1. Develop a program to calculate the sum of squares of first n odd numbers.

```
1  #include<stdio.h>
2  int main()
3  {
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      {
10         if(i%2!=0)
11             s+=(i*i);
12     }
13     printf("\nSum of square of first %d odd numbers = %d\n",n,s);
14 }
```

input

Enter n : 5

Sum of first 5 odd numbers = 165

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

2. Develop a C program to interchange the largest and smallest number in the given array.

```
Enter n : 5
Enter ele 1 : 7
Enter ele 2 : 8
Enter ele 3 : 9
Enter ele 4 : 4
Enter ele 5 : 3

7
8
3
4
9
```