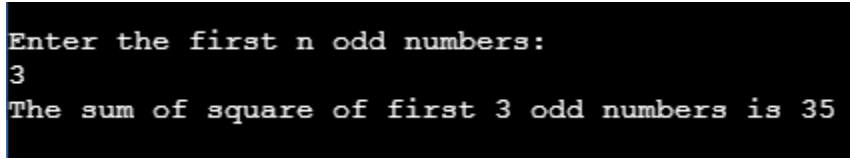1. Develop a program to calculate the sum of squares of first n odd numbers.

```c
#include <stdio.h>
int main()
{
  int n;
  printf("\nEnter the first n odd numbers:\n");
  scanf("%d", &n);
  int sum = 0;
  for (int i = 1; i <= n; i++)
    sum += (2*i - 1) * (2*i - 1);
  printf("The sum of square of first %d odd numbers is %d",n, sum);
  return 0;
}
```

```
Enter the first n odd numbers:
3
The sum of square of first 3 odd numbers is 35
```

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

```c
#include <stdio.h>
#include<conio.h>
void main()
{
int a[5], max, min, maxpos, minpos, i, temp;
printf("Enter 5 integers: ");
for(i=0;i<5;i++)
scanf("%d", &a[i]);
max=a[0];
min=a[0];
maxpos=0;
minpos=0;
for(i=1;i<5;i++)
{
  if(a[i]>max)
  {
    max=a[i];
    maxpos=i;
  }
  if(a[i]<min)
  {
    min=a[i];
    minpos=i;
  }
}
temp=a[maxpos];
a[maxpos]=a[minpos];
a[minpos]=temp;
printf("After interchange array elements are: ");
```

```c
for(i=0;i<5;i++)
printf("%d ",a[i]);
getch();
}
```

```
Enter 5 integers: -1 -5 5 1 8
After interchange array elements are: -1 8 5 1 -5
```