

```
mina@DESKTOP-FHSMV6H:~$ gcc -o p1 p1.c
mina@DESKTOP-FHSMV6H:~$ ./p1
x = 200
y = 375
z = 425
200^2+375^2=425^2
```

```
mina@DESKTOP-FHSMV6H:~$ gcc -o p2 p2.c
mina@DESKTOP-FHSMV6H:~$ ./p2
5736396
```

```
mina@DESKTOP-FHSMV6H:~$ gcc -o p3 p3.c
mina@DESKTOP-FHSMV6H:~$ ./p3
Length of Array : 4
Original Array : 4 2 1 5
Target Value : 7
Indices of the two numbers whose sum equal to targe value : 1 3
mina@DESKTOP-FHSMV6H:~$ ./p3
Length of Array : 5
Original Array : 5 2 1 4 3
Target Value : 9
Indices of the two numbers whose sum equal to targe value : 0 3
```

```
mina@DESKTOP-FHSMV6H:~$ gcc -o p4 p4.c
mina@DESKTOP-FHSMV6H:~$ ./p4
Length of Array : 5
Original Array : -2 0 0 1 1
Unique triplets of the said array whose sum equal to zero : -2 1 1
mina@DESKTOP-FHSMV6H:~$ ./p4
Length of Array : 4
Original Array : 3 -2 -1 0
Unique triplets of the said array whose sum equal to zero : 3 -2 -1
```

```
mina@DESKTOP-FHSMV6H:~$ ./p5
Length of Sting : 5
Original Parentheses string : (())
Lenth of longest parentheses : 4
mina@DESKTOP-FHSMV6H:~$ ./p5
Length of Sting : 6
Original Parentheses string : ((( )))
Lenth of longest parentheses : 6
mina@DESKTOP-FHSMV6H:~$ ./p5
Length of Sting : 6
Original Parentheses string : )))(((
Lenth of longest parentheses : 0
```