

Answer on Question#38034 - Programming – C

```
#include <stdio.h>
#include <conio.h>
#include <math.h>

int main() //enter point
{
    int num(0); //number of digits to input

    printf("Please enter number of digits to input:(1...1000)\n");
    scanf("%4d",&num); //get digit from keyboard
    if(num<=0 || num>1000)
    {
        printf("Wrong input. Good Bye");
        getch();
        return 0;
    }

    int *pnum = new int[num]; //contains all digits
    printf("\n Please enter %d digit(s) in the range 1 to 10000:\n",num);
    for(int i=1;i<=num;i++)
    {
        printf("%d)\t",i);
        scanf("%d",pnum+i-1);
        if(*(pnum+i-1)<1 || *(pnum+i-1)>10000)
        {
            printf("\t Wrong input. Try again\n");
            i--;
            fflush(stdin); //clearing input buffer
            continue;
        }
    }

    long digit(0);
    int count(0);

    for(int i=0;i<num;i++)
    {
        digit=sqrtl(*(pnum+i));
        if(digit*digit==*(pnum+i)) count++;
    }

    printf("\n\nWe have %d digit(s) with perfect squares", count);

    getch();
    return 0;
}
```