

## Answer - Pythagorean Triplet B

```
#include <stdio.h>
#include <stdlib.h>
#include <ctype.h>
#include <string.h>
#include <math.h>
#include <stdint.h>

int main()
{
    int N,x;
    x=scanf("%d",&N);
    if(x<0)
    {
        return 1;
    }
    if(N<=0)
    {
        return 1;
    }
    int n=0,a,b,c; //defining the variable required to initiate the loop
    for(a=3;a<=200;a++)
    {
        for(b=a+1;b<=200;b++)
        {
            for(c=b+1;c<=200;c++)
            {
                if((a*a)+(b*b)==(c*c)) //checking the condition
                {
                    printf("%d %d %d\n",a,b,c);
                    n++;
                    break;
                }
            }
            if(n==N)
            {
                break;
            }
        }
        if(n==N)
        {
            break;
        }
    }
}
```