

C program to find nth odd number. Take a number as input.

Sol.

Input = 5

Output = 9 //nth odd positive number =  $2*n-1$

First three odd numbers are 1, 3, 5, 7, 9.

```
/* C program to find nth odd number */  
  
#include<stdio.h>  
int main()  
{  
    int nOddNumber, oddNum, loop, nthOddNum=0;  
    printf("Enter a number: n");  
    scanf("%d",&nOddNumber);  
    printf("%dth odd numbers is:n",nOddNumber);  
    for(loop=1, oddNum=1; loop<=nOddNumber; loop=loop+1, oddNum=oddNum+2)  
    {  
        nthOddNum = oddNum;  
    }  
    printf("%d",nthOddNum);  
    return 0;  
}
```

Output :

```
Enter a number:  
5  
5th odd numbers is:  
9
```

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