IMPLEMENTATION OF FINDING MISSING NUMBER IN C++

#include <iostream>

using namespace std;

int main()

{

int a,i,sum=0;

for(i=1;i<100;i++){

cin>>a;

sum+=a;

}

cout<<5050-sum;

}

INPUT:

12 15 9 1 71 77 81 29 70 19 11 83 56 2 57 53 68 99 82 100 22 10 51 40 34 98 80 38 39 89 94 4 26 64 45 8 90 24 93 33 21 7 49 88 5 28 55 67 65 50 32 58 6 37 46 42 20 44 41 3 78 76 73 16 31 85 91 54 60 47 97 43 84 17 35 69 13 30 61 79 72 48 23 66 52 27 62 87 63 18 75 96 14 86 95 74 25 59 36

OUTPUT:

92