**PROGRAMS : Write a cpp external header file and include it in the program**

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//cal.h

namespace calculator

{

int add(int x,int y){

return x+y;

}

int sub(int x,int y){

return x-y;

}

int mul(int x , int y){

return x\*y;

}

float div(int x,int y){

return x/y;

}

}

//program5.cpp

#include<iostream>

#include "cal.h" //user defined header file

using namespace std;

using namespace calculator;

int main(){

int a=6,b=9;

cout<<"add :"<<add(a,b)<<endl;

cout<<"sub :"<<sub(a,b)<<endl;

cout<<"mul :"<<mul(a,b)<<endl;

cout<<"div :"<<div(a,b)<<endl;

return 0;

}

Input: a=6 b=9

Output:

