Program\_1: Write a class having two private variables and one member function which will return the area of the rectangle.

Source code:

#include<iostream>

using namespace std;

class area{

double len,wid;

public:

double areaCal(){

cin>>len>>wid;

return len\*wid;

}

};

int main()

{

area first;

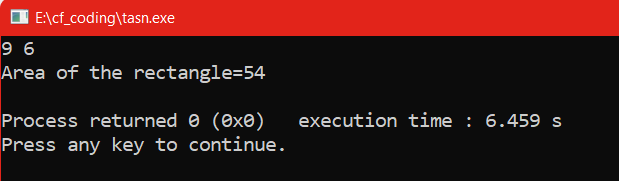
double ans;

ans=first.areaCal();

cout<<"Area of the rectangle="<<ans<<endl;

}

Output:



2.Program: Write a C++ program to define a class batsman with the following specifications.

Source code:

#include<bits/stdc++.h>

using namespace std;

class batsman{

int batsman\_code,total\_innings,notout\_innings,total\_runs;

string batsman\_name;

double batting\_avg;

void calcavg(){

if(total\_innings!=notout\_innings){

batting\_avg=(double)total\_runs/(double)(total\_innings-notout\_innings);

}

else{

batting\_avg=0;

}

}

public:

void readata(){

cin>>batsman\_code;

cin.ignore();

getline(cin,batsman\_name);

cin>>total\_innings>>notout\_innings>>total\_runs;

calcavg();

cout<<endl;

}

void displaydata(){

cout<<batsman\_code<<"\n"<<batsman\_name<<"\n"<<total\_innings<<

" "<<notout\_innings<<" "<<total\_runs<<endl;

cout <<"Batting Average : "<< setprecision(4)<<batting\_avg<<endl;

}

};

int main()

{

batsman first;

first.readata();

first.displaydata();

}

Output:

