**Program:-1**

#include<iostream>

#include<math.h>

using namespace std;

class rectangle

{

private:

int r;

public:

rectangle(int l,int b)

{

r=l\*b;

}

int display()

{

cout<<"area of rectangle is "<<r;

return 0;

}

};

int main()

{

int l,b;

cout<<"enter the length";

cin>>l;

cout<<"enter the breadth";

cin>>b;

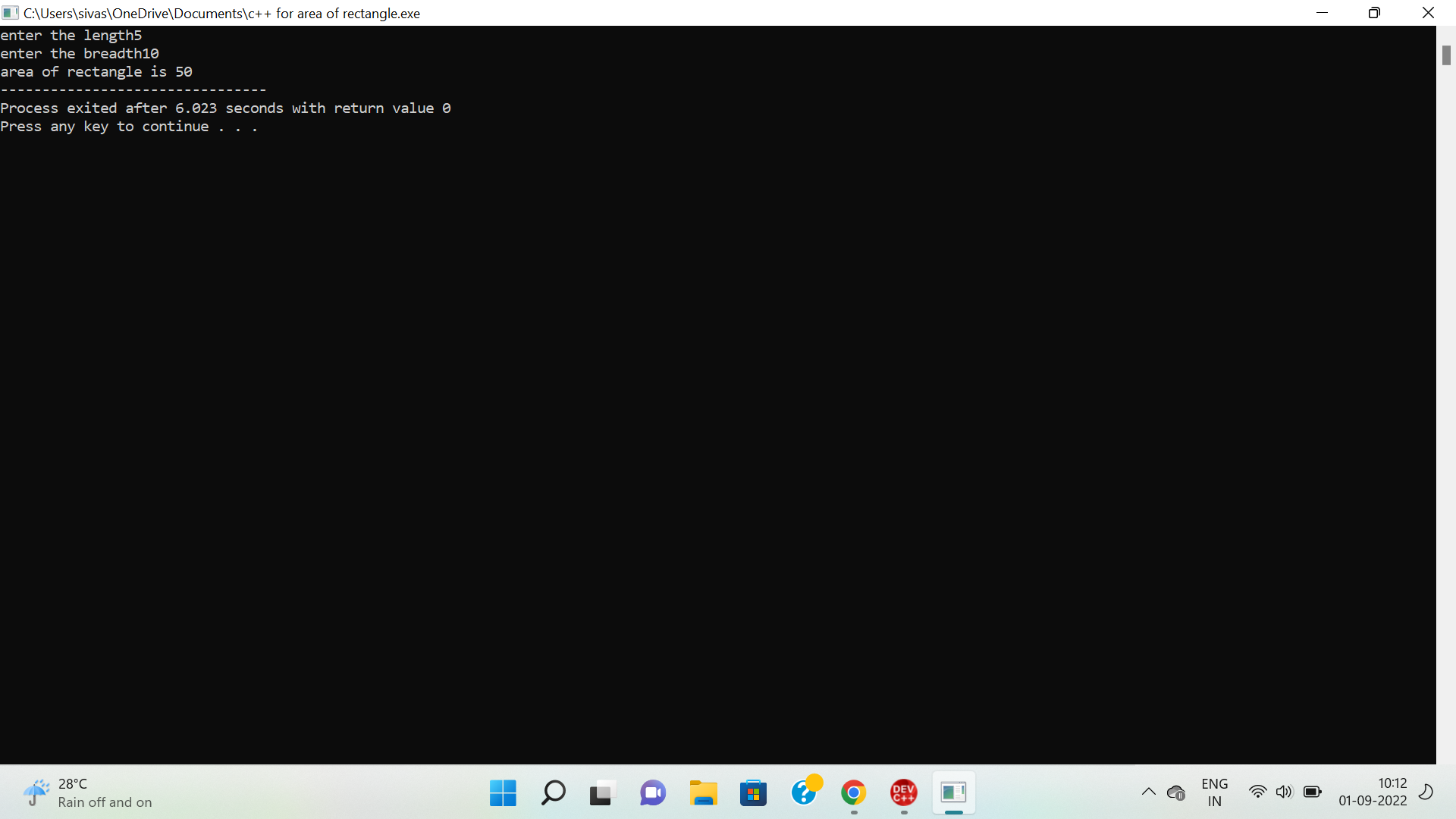
rectangle r(l,b);

r.display();

return 0;

}

**Output:-**



**Program:-2**

#include<iostream>

using namespace std;

int main()

{

int m1,m2,m3,total,avg,reg\_no;

cout<<"enter the reg no";

cin>>reg\_no;

cout<<"enter the 3 marks";

cin>>m1>>m2>>m3;

total=m1+m2+m3;

avg=total/3;

if(int(m1)&&int(m2)&&int(m3)&&m1<=100&&m2<=100&&m3<=100)

{

if(avg>=90)

{

cout<<reg\_no<<" grade A";

}

else if(avg>=80&&avg<=90)

{

cout<<reg\_no<<" grade B";

}

else if(avg>=70&&avg<=80)

{

cout<<reg\_no<<" grade C";

}

else if(avg>=60&&avg<=70)

{

cout<<reg\_no<<" grade D";

}

else if(avg>=50&&avg<=60)

{

cout<<reg\_no<<" grade E";

}

else

{

cout<<reg\_no<<" fail";

}

}

else

{

cout<<"enter the valid marks";

}

return 0;

}

**Output:-**

