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| **Batch:** | **X** |
| **Date of practical:** | 04/07/2019 |
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**Practical NO.1(C++)**

1. **Create a class Rectangle having data members width and height .Write member function to take input of the data members ,to display data members ,to calculate area ,perimeter and diagonal.**

**Code:**

# include<iostream>

#include<cmath>

using namespace std;

class Rectangle{

private :int width,height;

public: void getdata (){

cout<<"enter width and height respectively\n";

cin>>width>>height;

}

public: void display(){

cout<<"\nthe perimeter is:"<<width+height;

cout<<"\nthe area is:"<<width\*height;

cout<<"\nthe diagonal is"<<sqrt(pow(width,2)+pow(height,2));

}

};

int main(){

Rectangle r;

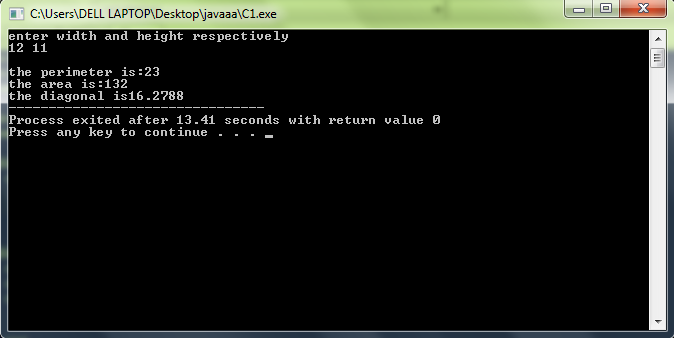
r.getdata();

r.display();

return 0;

}

**Output:**

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