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**Write a program to find volume of cube,cylinder or and rectangular box using function overloading**

#include <iostream>

using namespace std;

int volume(int);

float volume(float, int);

long volume(long, int, int);

int main()

{

int p, h, b;

float r;

long l;

cout << "enter the value of p" << endl;

cin >> p;

cout << "enter the value of r and h" << endl;

cin >> r >> h;

cout << "enter the value of l,b and h" << endl;

cin >> l >> b >> h;

cout << "volume of cube is:" << volume(p) << endl;

cout << "volume of rectangular is:" << volume(l, b, h) << endl;

return (0);

}

int volume(int p)

{

return (p \* p \* p);

}

float volume(float r, int h)

{

return (3.14 \* r \* r \* h);

}

long volume(long l, int b, int h)

{

return (l \* b \* h);

}

**Output**

enter the value of p

6

enter the value of r and h

3 6

enter the value of l,b and h

4 5 6

value of cube=216

value of cylinder=169.56

value of rectangular box=120