// Online C++ compiler to run C++ program online

#include <iostream>

using namespace std;

template <class T>

class vector

{

public:

T \*arr;

int size;

vector(int m)

{

size=m;

arr=new T[size];

}

T display(vector &v)

{

T d=0;

for(int i=0;i<size;i++)

{

d += this->arr[i]\*v.arr[i];

}

return d;

}

};

int main() {

vector<float>v1(3);

v1.arr[0]=1.3;

v1.arr[1]=4.2;

v1.arr[2]=1;

vector<float>v2(3);

v2.arr[0]=1.3;

v2.arr[1]=4.2;

v2.arr[2]=1;

float A= v1.display(v2);

cout<<"Dot product of given arrys \t \n"<<A<<endl;

return 0;

}

/\* Dot product of given arrys

20.33

\*/