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1. Tracing the output.

 Assume the address of nValue is equal to 2333

int main(){

double nValue = 7;

double \*pnPtr = &nValue;

cout << pnPtr << endl;

cout << pnPtr+1 << endl;

cout << pnPtr+2 << endl;

cout << pnPtr+3 << endl;

}

1. Find the errors

int nValue = 5;

double dValue = 7.0;

int \*nPtr = &nValue;

double \*dPtr = &dValue;

nPtr = &dValue;

dPtr = &nValue;

1. Trace the following program and write the output:

#include<iostream>

using namespace std;

///////////////////////////////////

class Person {

 // Data members of person

public:

 Person(int x) { cout << "Person::Person(int ) called" << endl; }

};

class Faculty : public Person {

 // data members of Faculty

public:

 Faculty(int x):Person(x) {

 cout<<"Faculty::Faculty(int ) called"<< endl;

 }

};

class Student : public Person {

 // data members of Student

public:

 Student(int x):Person(x) {

 cout<<"Student::Student(int ) called"<< endl;

 }

};

class TA : public Faculty, public Student {

public:

 TA(int x):Student(x), Faculty(x) {

 cout<<"TA::TA(int ) called"<< endl;

 }

};

 void main() {

 TA ta1(30);

}

1. Trace the following program and Find Errors and correct them:

#include <iostream>

using namespace std;

class Base

{ int m;

public:

 Base(int mValue){ m = mValue; cout<<"Constructing base"; }

};

class Derived: public Base

{double n;

public:

 Derived(double nValue) { n =nValue; cout<<"Constructing derived"; }

};

int main(){

 Base b1;

 Base b2(3.0);

 Derived d1

 Derived d2(4.0);

return 0;

}