



Student Name: _____ Roll# _____ Section: _____

1. How Object Oriented Programming Paradigm is different from structural programming? [2]

2. Identify the (type of) error(s) in given program. [5]

<pre>class A{ static int var1; const int var2=10; A(){} A(int i,int j) { var1=i; var2=j; } public: static void print() { cout<<var1<<endl; cout<<var2<<endl; } };</pre>	<pre>class B{ A obj1; static int sNo; public: void change(int x) { obj1.var1=x; } }; int A::sNo=0;</pre>	<pre>class C{ int a; int b; public: C(){} C(int i, int j) { a=i; b=j; } void print() { cout<<a<<b<<endl; } };</pre>	<pre>int main(){ A objA(9,10); B objB; C objC(9); objA.print(); objB.change(12); objC.print() return 0; }</pre>
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3. Given the following case description, identify all the classes and draw class diagram for each class.

[3]

"The movies are rented out in stores and there are several stores. Each store has a name, an address, and a phone number. For each employee we must keep the following information: working store, a name, a supervisor, an address, a phone number, SIN (social insurance number) and the date when the employee was hired. About the payment we have to keep which of the employees accepted the payment, the type of payment, the amount of the payment, date + time of the payment, payment status (completed if cash or the money have been received, approved if debit or credit card go through, pending if the check has not cleared yet)."