


**National University of Computer and Emerging Sciences, Lahore Campus**

	<b>Course:</b>	<b>Object Oriented Programming</b>	<b>Course Code:</b>	
	<b>Program:</b>	<b>BS(Computer Science)</b>	<b>Semester:</b>	<b>Fall 2019</b>
	<b>Topic:</b>	<b>Inheritance</b>	<b>Total Marks:</b>	<b>10</b>
	<b>Due Date:</b>	<b>24<sup>th</sup> October,2019</b>	<b>Weight</b>	<b>%</b>
	<b>Section:</b>	<b>A</b>	<b>Page(s):</b>	<b>1</b>
	<b>Exam:</b>	<b>Quiz 4</b>	<b>Reg. No</b>	

You are given 3 classes A, B, C. Give output of the following

<pre> class A { public:     void print();     ~A() {         cout &lt;&lt; "Destructor of A" &lt;&lt; endl;     }  }; void A::print() {     cout &lt;&lt; "----A----" &lt;&lt; endl; } </pre>	<pre> class B :public A { public:     virtual void print();     ~B() {         cout &lt;&lt; "Destructor of B" &lt;&lt; endl;     }  }; void B::print() {     cout &lt;&lt; "----B----" &lt;&lt; endl; } </pre>
<pre> class D :public B { public:     void print() {         cout &lt;&lt; "----D----" &lt;&lt; endl;     }     ~D() {         cout &lt;&lt; "Destructor of D" &lt;&lt; endl;     } }; </pre>	<pre> void main() {     {         A a;         B b;         D Z;         A * p1 = &amp;a;         A * p2 = &amp;b;         A * p3 = new D;         B * p4 = &amp;Z;         p1-&gt;print();         p2-&gt;print();         p3-&gt;print();         p4-&gt;print();     }     _getch(); } </pre>

**Solution:**

[illegible]

