

**Ahsanullah University of Science and Technology**  
**Course Title: Object Oriented Programming Lab**  
**Course Number: CSE1206**

Online 01

Set: A

Time: 45 Min

**Create a project with any name you want. That will be your main class.**

The return type of the methods can be anything you want.

<b>Marks</b>	
<p>Create a <b>Viewer</b> interface, in which you can <b>view</b> using a method. When calling, the method takes a <b>String</b> parameter <b>fileName</b>.</p> <p>Create an <b>Editor</b> interface which offers the functionalities of <b>Viewer</b>. This interface also has a method open File which takes one <b>String</b> parameter: <b>fileName</b>.</p> <p><b>When implementing these methods print or use the parameters.</b></p>	4
<p>A <b>PDFViewer</b> abstract class can be used to <b>highlight</b> and <b>changeView</b> of the document as well as also offers all the functionalities of <b>Viewer</b>.</p> <p>For <b>Highlighting</b> you have to use a method which takes one <b>String</b> parameter <b>T</b>. This method should print a message : " <b>Highlighting Text : T</b>".  <b>T</b> should print the parameter value.</p> <p>For <b>changing View</b>, it takes one <b>double</b> parameter <b>S</b> and <b>one String parameter type (increase or decrease)</b> and prints a message: "<b>Type , Size by : S</b>", where <b>S</b> and <b>Type</b> should print the value from parameter.</p>	6
<p>Create an <b>AdobeAcrobat</b> class that has all the functionalities of a <b>PDFViewer</b> only. Override only the unimplemented methods.</p> <p><b>GoogleDoc</b> is an app which has all the features of <b>Editor</b>. And also has an extra method for changing fonts like: Arial, Calibri, Times Roman etc. While changing fonts it takes <b>String F as parameter</b> and prints "<b>Changing Font: F</b>", where <b>F</b> should print the string value from parameter.</p>	7
<p>Show a demo in the main function by instantiating an object of <b>AdobeAcrobat</b> &amp; <b>GoogleDoc</b> individually and calling all their methods.</p>	3

**Total 20**