

Total Marks - 100.

Time: 2 Hours.

1. **Make a simple calculator using the following instruction. -**

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Step-1, Create a class like "Calculator" and define some **private** property and initialize them using empty value. Create 6 public method in this class like setData(), getData(), add(), sub(), mul() and div().

Step-2, Create a form like create.php and write two input field as number and also a submit button when I will submit the form then the action will be "store.php"

Step-3, In the store.php, include the class file, create an object, call setData() method of Calculator class using object and pass the whole data submitted by form.

Step-4, Call getData() method using the object of "Calculator" in store.php file and show the specific result that I need.

2. Create a class file called "Management" and define two property as public and two method as public like setName() and getName(). Make a subclass like "StudentManagement" and call setName() & getName() method using the object of "StudentManagement" Class.

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3. Create a class file called "SubOffice" and define two property as protected and two method as protected like set () and get (). Make a subclass like "MainOffice" and define a public method to "MainOffice" class like info(). Call set () & get () method in the public method **info()** of "MainOffice" Class and finally call the info() method using the object of "MainOffice" & show to output of protected method of "SubOffice" class.

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4. Create a class file called "Profiles" and define one property as private like \$password. And set \$password = "something". Define one method as protected like getInfo(). Show the password to the display by calling any other method of Profiles.

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5. Create a class like "Cricket" and make a subclass like "Movie". Both classes should have a constructor. Display the output of both classes constructor's by creating object of subclass.

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6. Create a folder structure as below and create all class file in the "TeacherManagement", "StudentManagement", "CourseManagement" & "ExamManagement" folder. Write one method in each class and load them individually at index file of "views" folder using composer.

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