#### **AWT Practical Week - 10 Task**

#### **OOP Concepts using PHP**

1) Demonstrate the Concept of Class and Object with suitable example. [constructor/destructor]

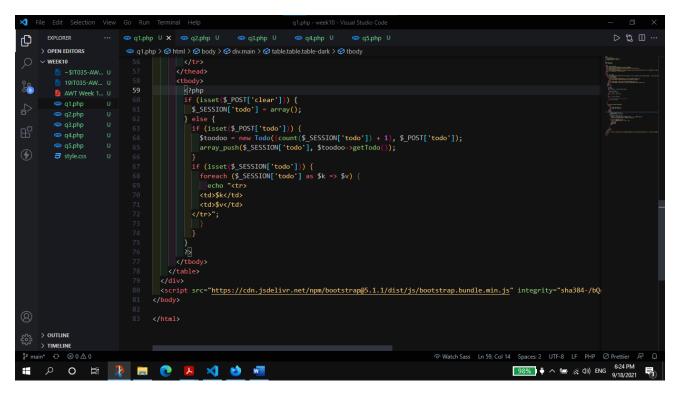
```
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                                                                ф
               EXPLORER
                                                                                                                                                                                                                  q5.php U
             ∨ WEEK10
                                                                                   session_start();
if (!isset($_SESSION['todo'])) {
    $_SESSION['todo'] = array();
 ٥
                     AWT Week 1... U
                                                                                   <!DOCTYPE html>
<html lang="en">
                                                                                   <meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
                                                                                       ctttle>class and objectc/title>
clink href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity='
clink rel="stylesheet" href="style.css">
                                                                                   <body>
                                                                                            <h3 class="text-center">Demonstrate the Concept of Class and Object with suitable example. [ constructor/destriction method="POST">
                                                                                                  control type="submit" class="btn btn-primary">Submit
control type="submit" name="clear" class="btn btn-primary">Clear Todo
foundation
control type="submit" name="clear" class="btn btn-primary">Clear Todo
foundation
foundation
control type="submit" name="clear" class="btn btn-primary">Clear Todo
foundation
<
            > OUTLINE
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```

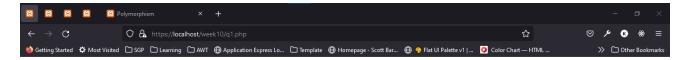
```
EXPLORER
                                                           a4.php U
                                                                                                                               ⊳ ლ Ш ...
ф
                                                                       a5.php U
    ∨ WEEK10
                                var $todo;
       AWT Week 1... U
                                  $this->id = $id;
$this->todo = $todo;
       q4.php
       a q5.php
                                 public function getTodo()
                               ?

...
                                    ID
Todo

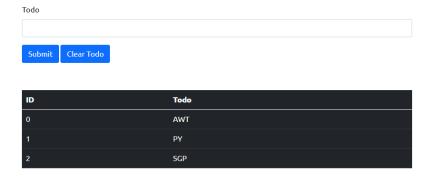
                                 > OUTLINE
                                   if (isset($_POST['clear'])) {
   $_SESSION['todo'] = array();
    > TIMELINE
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### Demonstrate the Concept of Class and Object with suitable example. [constructor/destructor]



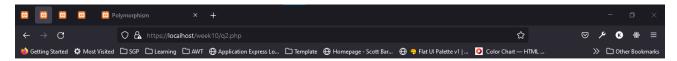


2) Demonstrate the Instance Members and Class Members (static + const) [ \$this and self ]

Code:

```
⊳ ৸ Ⅲ …
     EXPLORER
                     a q1.php U
ф
                      > OPEN EDITORS
                             <div class="container</pre>
٤
       AWT Week 1... U
                                class Myclass
                                  var $instance;
static $staticNum = 0;
const CONSTNUM = "This is constant";
       a5.php
       ∃ style.css
                                  function getStatic()
                                    echo "<h3> Static: " . self::$staticNum . "</h3>";
                                  function getInst()
                                    echo "<h3> Static: " . $this->instance . "</h3>";
                                  function updateStatic()
                                    self::$staticNum++:
    > OUTLINE
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                                                                                                                                    (3)
```

```
▷ 않 Ⅲ …
                                                                                                      q4.php U
                                                                                                                          a q5.php U
ф
       > OPEN EDITORS
                                       • q2.php > 🔗 html > 🔗 body > 🔗 div.container > 🔗 div.container.border.border-primary.rounded.border-5.p-3.mt-5 > 😫 Myclass > 😚 updateStatic
       ∨ WEEK10
                                                            function updateStatic()
Ç<sub>0</sub>
                                                               self::$staticNum++;
                                                         $obj = new Myclass("This is Instance Variable - 1");
$obj2 = new Myclass("This is Instance Variable - 2");
            a4.php
                                                         $00j->getConst();
$00j->getInst();
$00j->getInst();
$00j->getInst();
$cho "This is CONSTANT var: " . Myclass::CONSTNUM;
$cho "Constant var: " . Myclass::$staticNum;
$cho "Constant var: " . Myclass::$staticNum;
                                                         $obj->updateStatic();
$obj->getStatic();
                                                         $obj2->updateStatic();
                                                         $obj2->getStatic();
                                                </div>
       > OUTLINE
       > TIMELINE
          → ⊗ 0 A 0
                                                                                                                                                                                       98% ♥ ^  / (□)) ENG 6:26 PM 9/18/2021
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```



### Demonstrate the Instance Members and Class Members (static + const) [ \$this and self ]

```
Const: This is constant
Static: This is Instance Variable - 1
Static: This is Instance Variable - 2
This is CONSTANT var: This is constant
This is Static var: 0
Static: 1
Static: 2
```



3) Demonstrate the inheritance/s [parent keyword].

```
★ File Edit Selection View Go Run Terminal Help
                                                                                                                                                ▷ 않 Ⅲ …
    > OPEN EDITORS 1 UNSAVED  

□ q3.php > ⊖ html > ⊖ body > ⊖ div.container.text-center > 😘 Car > ⊖ _construct
                               <body>
<div class="container text-center">

✓ WEEK10

                                  Ç.
       a3.php
       a4.php
                                     Upublic function details(){
    echo "<h1>The company is {$this->name} and the color is {$this->color}.</h1>";
                                       echo "<h1>This is Maruti's Baleno Car </h1>":
                                       echo "<h1>Type: '
                                                        . parent::$type . "</h1>";
                                   $strawberry->message();
$strawberry->details();
                                   $strawberry->carType():
> OUTLINE
    > TIMELINE
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```



# This is Maruti's Baleno Car The company is Maruti and the color is White. Type: Petrol



4) Demonstrate the Abstract Class and Interfaces with suitable examples.

```
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C
     > OPEN EDITORS
     ∨ WEEK10
                            11 </head>
                                 <body>
<div class="container text-center">
         🔼 AWT Week 1... U
                                       bstract class shape
        ag.php
                                      interface volume
                                        public function volume of shape();
                                      class square extends shape implements volume
                                          echo "<h1>Number of Sides are 4.</h1>";
                                     $sqr = new square;
$sqr->noOfSides();
     > OUTLINE
    > TIMELINE
Le main* ↔ ⊗ 0 🛆 0
           O 🛱 🦹 🚃 💽 🔼 刘 👏 🚾
                                                                                                                              98% ♥ ^ 9 (€ 4)) ENG 6:30 PM 9/18/2021
```



### Number of Sides are 4. Volume of Square is L\*L



5) Demonstrate Polymorphism with suitable examples.

```
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                                                                                                                                        ▷ ta □ ···
凸
    > OPEN EDITORS
    ∨ WEEK10
                              <body>
div class="container text-center"
    <?php
    class Faculty</pre>
       q4.php
                                     echo "<h1>Hello! From Faculty </h1>";
                                     echo "<h1>Hello! From IT Faculty </h1>";
                                 $faculty = new Faculty;
$itFaculty = new ITFaculty;
                                 $faculty->display();
$itFaculty->display();
    > OUTLINE
    > TIMELINE
                                                                                               © Watch Sass Ln 14, Col 38 Spaces: 2 UTF-8 LF PHP ⊘ Prettier 🛱 🚨
                                                                                                                 98% ♥ ^ ㎞ (€ Ф)) ENG 6:31 PM 9/18/2021
     요 ㅇ 밝 🦆 🔚 👩 🔼 刘 👏 🚾
```



## Hello! From Faculty Hello! From IT Faculty

