 <b>Marwadi</b> University	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Subject: Introduction to Web Technology</b>	<b>Tutorial 10</b>	
<b>Shashank Bagda</b>		<b>Enrolment No: 92100133020</b>

<?php

```

class Car {
    private $model;

    public function setModel($model) {
        $this->model = $model;
    }

    public function getModel() {
        return $this->model;
    }
}

class SportsCar extends Car {
    public function getSportsModel() {
        return "This is a sports car with model " . $this->getModel();
    }
}

interface Shape {
    public function draw();
}


class Rectangle implements Shape {
    public function draw() {
        echo "Drawing a rectangle.";
    }
}

class Circle implements Shape {
    public function draw() {
        echo "Drawing a circle.";
    }
}

abstract class AbstractClass {
    abstract protected function getValue();

    public function printValue() {
        echo "The value is " . $this->getValue();
    }
}

```

|  |  |                                  |
|--|--|----------------------------------|
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```
class ConcreteClass extends AbstractClass {
    protected function getValue() {
        return "42";
    }
}
```

```
$car = new Car();
$car->setModel("Toyota");
$sportsCar = new SportsCar();
$sportsCar->setModel("Ferrari");
```

```
$concrete = new ConcreteClass();
?>
```

```
<html>
    <head><title>OOP concepts</title></head>

    <body>
        <p><?php echo $car->getModel()?><br></p>
        <p><?php echo $sportsCar->getSportsModel()?><br></p>
        <p>
            <?php
                $shapes = array(new Rectangle(), new Circle());
                foreach ($shapes as $shape) {
                    $shape->draw();
                    echo "<br>";
                }
            ?>
        </p>
        <p><?php echo $concrete->printValue();?></p>
    </body>
</html>
```