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<!DOCTYPE html>
<html>
<head>
    <title> Javascript Exercise</title>
</head>
<body>

    
    
    </img>
    </img>
    </img>

    <div class="container-div">
        <input type="button" id="Triangle" value="Triangle"
onclick="showImg2();CalculateAreaTriangle();">
        <input type="button" id="Circle" value="Circle"
onclick="showImg1();CalculateAreaCirc();">
        <input type="button" id="Rectangle" value="Rectangle"
onclick="showImg3();CalculateAreaRect();">
        <input type="button" id="Square" value="Square"
onclick="showImg4();CalculateAreaSqr();">
        <input type="button" id="Hexagon" value="Hexagon"
onclick="showImg5();CalculateAreaHex();">
    </div>
</body>
<style>
    .img-bg{
        z-index: -100;
        display: none;
        height: 100%;
        position: absolute;
        top:0;
        left:0;
    }
    .container-div{
        position: absolute;
        top:0;
        left:0;
        display: block;
        margin: auto auto;
    }
    #img2{
        top:40px;
        right:30px;
        height:60%;
    }
    #img1{
        top:40px;
        right:40px;
        height:60%;
    }
    #img3{
        height: 60%;
        width: 60%;
        left:50px;
        top:40px;
    }

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        var hside =document.form5.hexside.value;
        document.getElementById("hexareamsg").innerHTML =("<P>The area of the hexagon is "
+ (2.59807621 * Math.pow(hside,2) ) + "</p>");
        document.getElementById("hexperimetermsg").innerHTML =("<P>The perimeter of the
hexagon is " + (6 * hside) + "</p>");
    }
    function CalculateAreaSqr(){
        document.getElementById("hexform").style.display="none";
        document.getElementById("rectangleform").style.display="none";
        document.getElementById("triangleform").style.display="none";
        document.getElementById("circleform").style.display="none";
        document.getElementById("squareform").style.display="block";
        var side =document.form4.sqrside.value;
        document.getElementById("sqrareamsg").innerHTML =("<P>The area of the square is " +
(Math.pow(side,2)) + "</p>");
        document.getElementById("sqrperimetermsg").innerHTML =("<P>The perimeter of the
square is " + (4 * side) + "</p>");
    }

    function CalculateAreaRect(){
        document.getElementById("hexform").style.display="none";
        document.getElementById("triangleform").style.display="none";
        document.getElementById("circleform").style.display="none";
        document.getElementById("rectangleform").style.display="block";
        document.getElementById("squareform").style.display="none";
        var rectl =document.form3.rectlen.value;
        var rectb =document.form3.rectbrd.value;
        var rectarea = rectl * rectb;
        var rectperimeter = 2*(+rectl+ +rectb);
        document.getElementById("rectareamsg").innerHTML =("<P>The area of the rectangle is
" + (rectarea) + "</p>");
        document.getElementById("rectpermsg").innerHTML =("<P>The perimeter of the rectangle
is " + (rectperimeter) + "</p>");
    }

    function CalculateAreaCirc(){
        document.getElementById("hexform").style.display="none";
        document.getElementById("rectangleform").style.display="none";
        document.getElementById("triangleform").style.display="none";
        document.getElementById("circleform").style.display="block";
        document.getElementById("squareform").style.display="none";
        var radius =document.form1.txtRadius.value;
        document.getElementById("areamsg").innerHTML =("<P>The area of the circle is " +
(radius * radius * Math.PI) + "</p>");
        document.getElementById("circumferencemsg").innerHTML =("<P>The circumference of the
circle is " + (2 * radius * Math.PI) + "</p>");
    }
    function CalculateAreaTriangle(){
        document.getElementById("hexform").style.display="none";
        document.getElementById("rectangleform").style.display="none";
        document.getElementById("circleform").style.display="none";
        document.getElementById("triangleform").style.display="block";
        document.getElementById("squareform").style.display="none";
        var a =document.form2.side1.value;
        var b =document.form2.side2.value;
        var c =document.form2.side3.value;
        var perimeter = +a + +b + +c;
        var s = (+a + +b + +c )*0.5;
        var area = Math.sqrt(s* +(s-a) * +(s-b) * +(s-c));
        document.getElementById("trimsg").innerHTML =("<P>The area of the triangle is " +
(area) + "</p>");
        document.getElementById("perimetermsg").innerHTML =("<P>The perimeter of the
triangle is " + (perimeter) + "</p>");
    }
    function showImg1() {
        document.getElementById("img2").style.display="none";
        document.getElementById("img3").style.display="none";
        document.getElementById("img4").style.display="none";
    }

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        document.getElementById("img5").style.display="none";
        document.getElementById("img1").style.display="block";
    }

    function showImg2() {
        document.getElementById("img1").style.display="none";
        document.getElementById("img2").style.display="block";
        document.getElementById("img3").style.display="none";
        document.getElementById("img4").style.display="none";
        document.getElementById("img5").style.display="none";
    }
    function showImg3() {
        document.getElementById("img1").style.display="none";
        document.getElementById("img2").style.display="none";
        document.getElementById("img3").style.display="block";
        document.getElementById("img4").style.display="none";
        document.getElementById("img5").style.display="none";
    }
    function showImg4() {
        document.getElementById("img2").style.display="none";
        document.getElementById("img4").style.display="block";
        document.getElementById("img3").style.display="none";
        document.getElementById("img1").style.display="none";
        document.getElementById("img5").style.display="none";
    }
    function showImg5() {
        document.getElementById("img2").style.display="none";
        document.getElementById("img5").style.display="block";
        document.getElementById("img3").style.display="none";
        document.getElementById("img1").style.display="none";
        document.getElementById("img4").style.display="none";
    }

</script>
</html>

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