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1 <?php
2
3 @session_start();
4 if (!isset($_SESSION["tableRows"])) {
5     $_SESSION["tableRows"] = array();
6     date_default_timezone_set($_POST["timezone"]);
7 }
8 $x = (float) $_POST["x"];
9 $y = (float) $_POST["y"];
10 $r = (float) $_POST["r"];
11 if (checkData($x, $y, $r)) {
12     $coordsStatus = checkCoordinates($x, $y, $r);
13     $currentTime = date("H : i : s");
14     $benchmarkTime = microtime(true) - $_SERVER["REQUEST_TIME_FLOAT"];
15     array_push($_SESSION["tableRows"], "<tr>
16         <td>$x</td>
17         <td>$y</td>
18         <td>$r</td>
19         <td>$coordsStatus</td>
20         <td>$currentTime</td>
21         <td>$benchmarkTime</td>
22     </tr>");
23     echo "<table id='outputTable'>
24         <tr>
25             <th>x</th>
26             <th>y</th>
27             <th>r</th>
28             <th>Точка входит в ОДЗ</th>
29             <th>Текущее время</th>
30             <th>Время работы скрипта</th>
31         </tr>";
32     foreach ($_SESSION["tableRows"] as $tableRow) echo $tableRow;
33     echo "</table>";
34 } else {
35     http_response_code(400);
36     return;
37 }
38
39 function checkData($x, $y, $r) {
40     return in_array($x, array(-2, -1.5, -1, -0.5, 0, 0.5, 1, 1.5, 2)) ||
41         is_numeric($y) || !($y > -5 && $y < 3) ||
42         in_array($r, array(1, 2, 3, 4, 5));
43 }
44
45 function checkCoordinates($x, $y, $r) {
46     if (((($x >= -$r/2) && ($x <= 0) && ($y >= 0) && ($y <= $r/2)) ||
47         (($x >= 0) && ($x <= $r) && ($y >= $r) && ($y >= -$r)) ||
48         (($x**2 + $y**2) <= (($r**2)/2) && ($x >= 0) && ($y >= 0))) return "да";
49     else return "нет";
50 }

```