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BSIT-3R1

OUTPUTS

Activity 1

2.

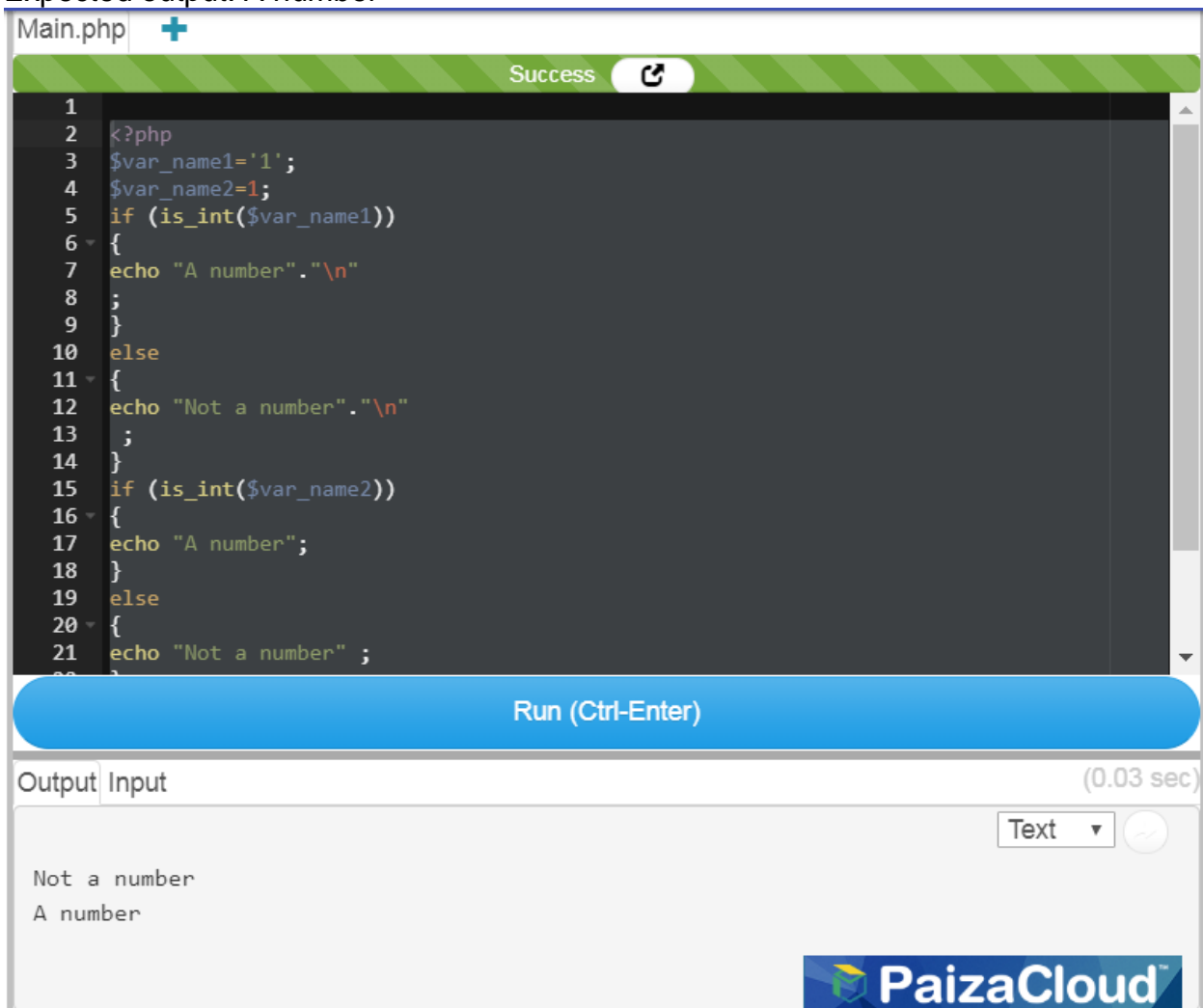
a. Write a program that checks if value is a number (integer).

Sample input: '1'

Expected output: Not a number

Sample input: 1

Expected output: A number



The screenshot shows a PaizaCloud IDE interface. At the top, a green banner indicates 'Success'. Below it, a code editor displays a PHP script:

```
1
2 <?php
3 $var_name1='1';
4 $var_name2=1;
5 if (is_int($var_name1))
6 {
7     echo "A number"."\\n"
8 ;
9 }
10 else
11 {
12     echo "Not a number"."\\n"
13 ;
14 }
15 if (is_int($var_name2))
16 {
17     echo "A number";
18 }
19 else
20 {
21     echo "Not a number" ;
22 }
```

Below the code editor is a blue button labeled 'Run (Ctrl-Enter)'. At the bottom, the 'Output' tab is active, showing the results of the program execution:

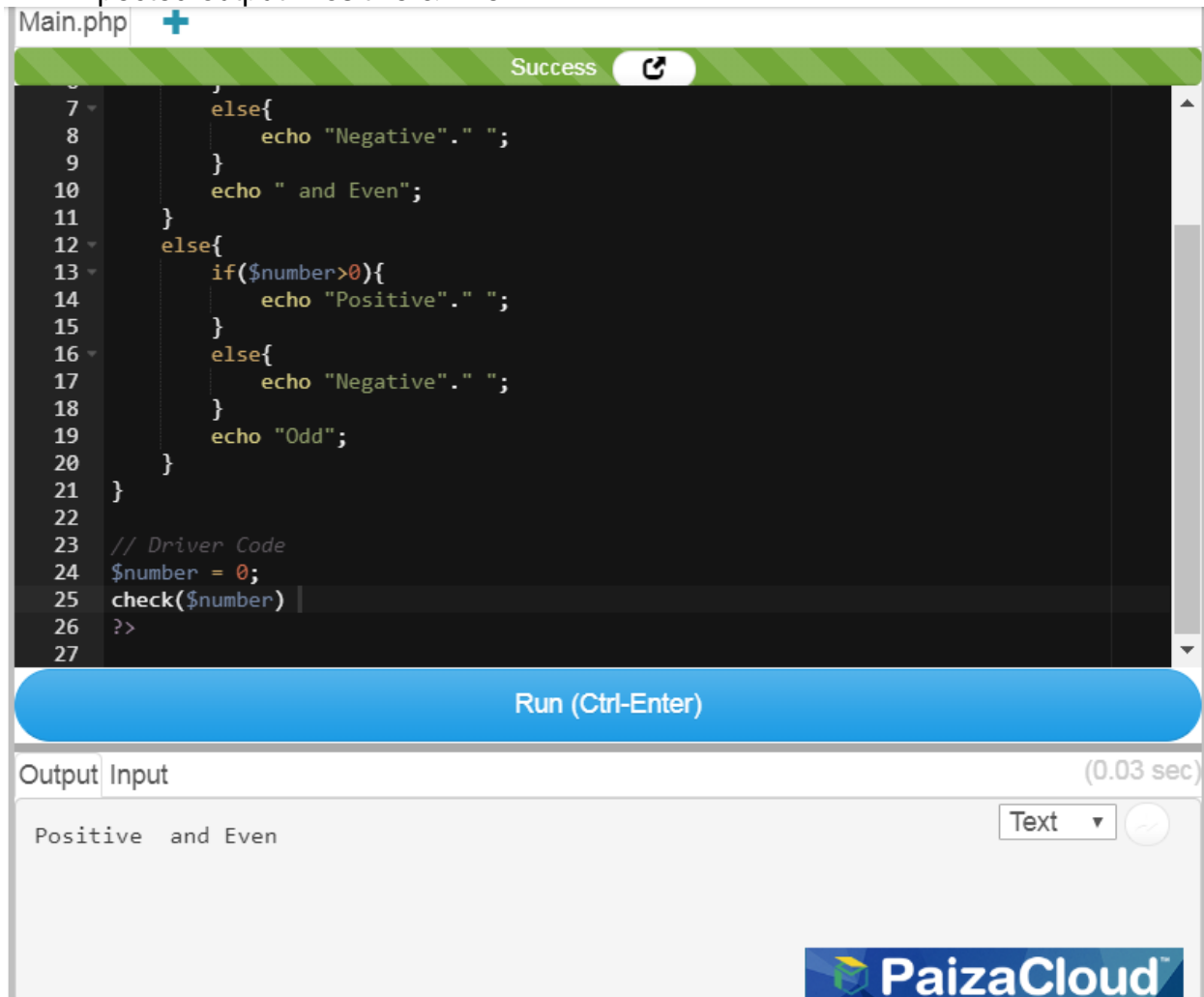
Not a number
A number

The execution time is noted as (0.03 sec). The PaizaCloud logo is visible in the bottom right corner.

b. Write a program that checks if a value is positive or negative and odd or even.

Sample input: 0

Expected output: Positive & Even



```
8 }
7 else{
8     echo "Negative"." ";
9 }
10 echo " and Even";
11 }
12 else{
13     if($number>0){
14         echo "Positive"." ";
15     }
16     else{
17         echo "Negative"." ";
18     }
19     echo "Odd";
20 }
21 }
22
23 // Driver Code
24 $number = 0;
25 check($number)
26 ?>
27
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

Positive and Even

PaizaCloud™

Sample input: -1

Expected output: Negative and Odd

Main.php +

Success


```
6 }
7 else{
8     echo "Negative"." ";
9 }
10 echo "and Even";
11 }
12 else{
13     if($number>0){
14         echo "Positive"." ";
15     }
16     else{
17         echo "Negative"." ";
18     }
19     echo "and Odd";
20 }
21 }
22
23 // Driver Code
24 $number = -1;
25 check($number)
26 ?>
27
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

Negative and Odd

Text



c. Write a program that checks if a value is palindrome

Sample input: Anna

Expected output: Palindrome

Main.php +

Success


```
1 <?php
2 function Palindrome($string)
3 {
4     if ($string == strrev($string))
5         return 1;
6     else
7         return 0;
8 }
9
10 // Driver Code
11 $original = 'anna';
12 if (Palindrome($original)){
13     echo "Palindrome";
14 }
15 else {
16     echo "Not a Palindrome";
17 }
18
19 ?>
20 |
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

Palindrome

Text



Sample input: Bogart
Expected output: Not a Palindrome

Main.php +

Success


```
1 <?php
2 function Palindrome($string)
3 {
4     if ($string == strrev($string))
5         return 1;
6     else
7         return 0;
8 }
9
10 // Driver Code
11 $original = 'Bogart';
12 if (Palindrome($original)){
13     echo "Palindrome";
14 }
15 else {
16     echo "Not a Palindrome";
17 }
18
19 ?>
20
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

Not a Palindrome

Text



- d. Write a program to calculate and print the factorial of a number using a for loop.
Sample input: 4
Expected output: 24

Main.php +

Success


```
1 <?php
2 $n = 4;
3 $x = 1;
4 for($i=1;$i<=$n-1;$i++)
5 {
6     $x*=( $i+1);
7 }
8 echo "$x";
9 ?>
10
```

Run (Ctrl-Enter)

Output Input (0.02 sec)

24

Text



e. Write a PHP program to generate and display the first n lines of a Floyd triangle.

Sample input: 3

Sample output:

```
1
2 3
4 5 6
```

Main.php +

Success

```
1 <?php
2 $n = 3;
3 $count = 1;
4 for ($i = $n; $i > 0; $i--)
5 {
6     for ($j = $i; $j < $n + 1; $j++)
7     {
8         printf("%4s", $count);
9         $count++;
10    }
11    echo "\n";
12 }
13 ?>
14
```

Run (Ctrl-Enter)

Output Input (0.02 sec)

Text

```
1
2 3
4 5 6
```

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Activity 3

2. Solve the ff. problem using Regular Expressions

a. Write a PHP script that checks if a string contains another string

Sample String: 'The quick brown fox'

Test input: 'Fox'

Expected output: Fox is found the string

Main.php +

Success


```
1 <?php
2 $str1 = 'The quick brown fox';
3 if (strpos($str1, 'fox') !== false)
4 {
5     echo 'Fox is found the string';
6 }
7 else
8 {
9     echo 'Fox is not found the string';
10 }
11 ?>
12
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

Fox is found the string

Text



b. Write a PHP script that removes the last word from a string.

Sample String: 'The quick brown fox'

Expected output: 'The quick brown'

Main.php +

Success


```
1 <?php
2 $str1 = 'The quick brown fox';
3 echo preg_replace('/\W\w+\s*(\W*)$/',' $1', $str1)."\n";
4 ?>
5
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

The quick brown

Text



- c. Write a PHP script to remove nonnumeric characters except comma and dot.
Sample String: '\$123,34.00A#'
Expected output: 123,34.00

Main.php +

Success


```
1 <?php
2 $str1 = "$12,334.00A";
3 echo preg_replace("/^[^0-9,.]/", "", $str1)."\n";
4 ?>
5
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

12,334.00

Text



- d. Write a PHP script to extract text (within parenthesis) from a string.
Sample String: 'The quick brown [fox].'
Expected output: Fox

Main.php +

Success

```
1 <?php
2 $my_text = 'The quick brown [fox].';
3 preg_match('#\[.*?\]#', $my_text, $match);
4 print $match[1]."\n";
5 ?>
6
```

Run (Ctrl-Enter)

Output Input (0.02 sec)

fox

Text

PaizaCloud

- e. Write a PHP script to remove all characters from a string except a-z A-Z 0-9 or " ".
Sample String: 'abcde\$ddfd @abcd)der']
Expected output: abcdedddfd abcd der

Main.php +

Success

```
1 <?php
2 $string = 'abcde$ddfd @abcd )der>';
3 $newstr = preg_replace("/[^A-Za-z0-9 ]/", '', $string);
4 echo $newstr."\n";
5 ?>
6
```

Run (Ctrl-Enter)

Output Input (0.03 sec)

abcedddfd abcd der

Text

