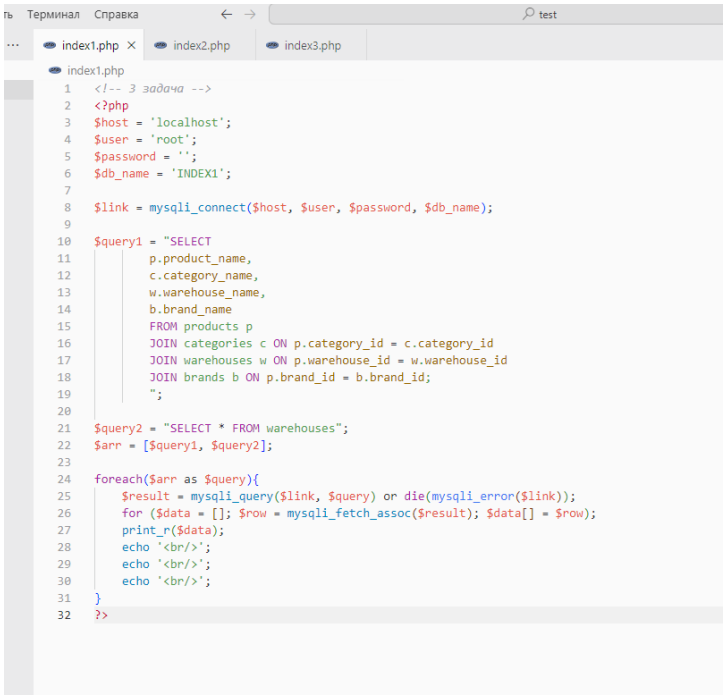
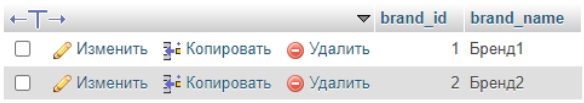
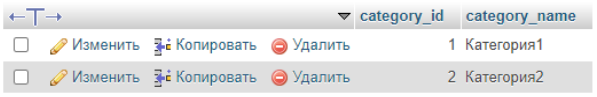
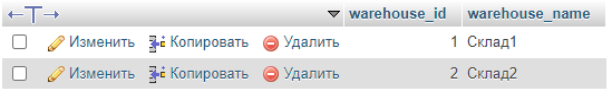
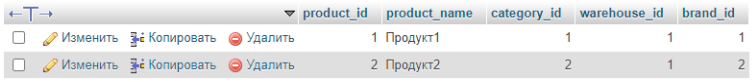
https://github.com/klyuev1/php-tasks/tree/main/33

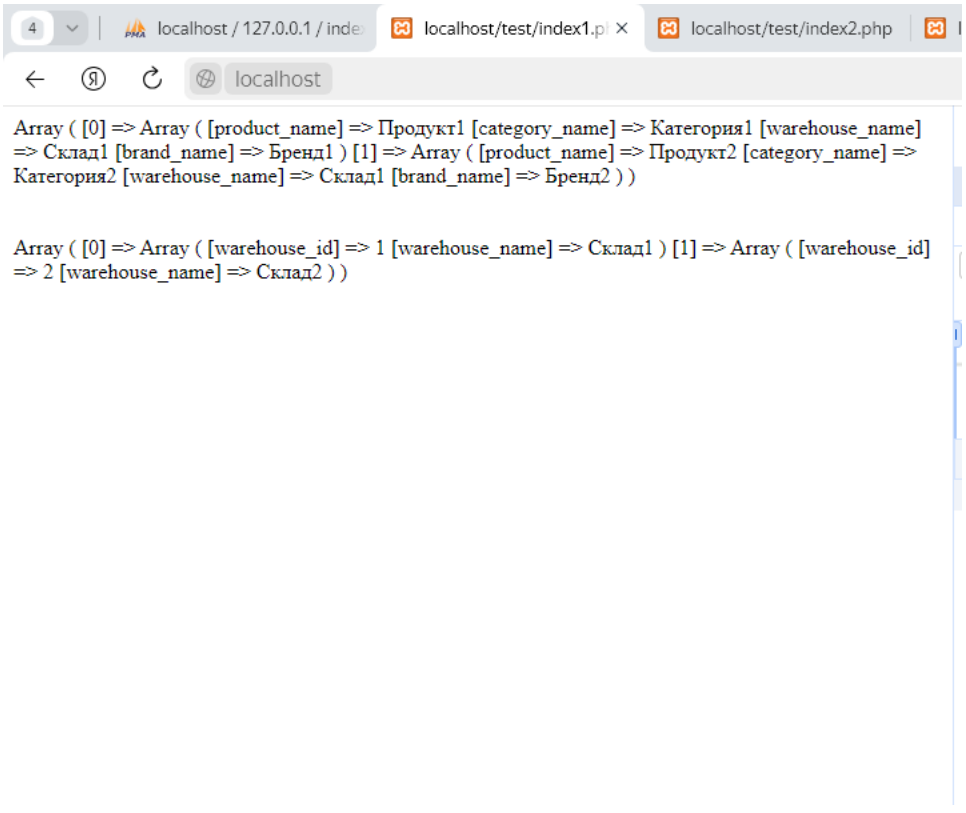












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полнить Терминал Справка

test

index1.php | index2.php | index3.php

index2.php

```php
<!-- 7 задача -->
<?php
$host = 'localhost';
$user = 'root';
$password = '';
$db_name = 'INDEX2';

$link = mysqli_connect($host, $user, $password, $db_name);

$query1 = "SELECT p1.name AS person, p2.name AS father, p3.name AS son
          FROM people p1
          LEFT JOIN people p2 ON p1.father_id = p2.person_id
          LEFT JOIN people p3 ON p1.person_id = p3.father_id;
          ";

$query2 = "SELECT p3.name AS grandson, p2.name AS son, p1.name AS grandfather
          FROM people p1
          JOIN people p2 ON p1.person_id = p2.father_id
          JOIN people p3 ON p2.person_id = p3.father_id
          WHERE p3.name = 'Внук';
          ";

$query3 = "SELECT p4.name AS great_grandson, p3.name AS grandson, p2.name AS son, p1.name AS great_grandfather
          FROM people p1
          JOIN people p2 ON p1.person_id = p2.father_id
          JOIN people p3 ON p2.person_id = p3.father_id
          JOIN people p4 ON p3.person_id = p4.father_id
          WHERE p4.name = 'Внук';
          ";
$arr = [$query1, $query2, $query3];

foreach($arr as $query){
    $result = mysqli_query($link, $query) or die(mysqli_error($link));
    for ($data = []; $row = mysqli_fetch_assoc($result); $data[] = $row);
    print_r($data);
    echo '<br/>';
    echo '<br/>';
    echo '<br/>';
}
?>
```

	person_id	name	father_id
Изменить Копировать Удалить	1	Прадедушка	NULL
Изменить Копировать Удалить	2	Дедушка	1
Изменить Копировать Удалить	3	Отец	2
Изменить Копировать Удалить	4	Сын	3
Изменить Копировать Удалить	5	Внук	4

localhost / 127.0.0.1 / inde | localhost/test/index1.php | localhost/test/index2.p

localhost

Array ([0] => Array ([person] => Прадедушка [father] => [son] => Дедушка) [1] => Array ([person] => Дедушка [father] => Прадедушка [son] => Отец) [2] => Array ([person] => Отец [father] => Дедушка [son] => Сын) [3] => Array ([person] => Сын [father] => Отец [son] => Внук) [4] => Array ([person] => Внук [father] => Сын [son] =>))

Array ([0] => Array ([grandson] => Внук [son] => Сын [grandfather] => Отец))

Array ([0] => Array ([great_grandson] => Внук [grandson] => Сын [son] => Отец [great_grandfather] => Дедушка))

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index1.php index2.php index3.php

index3.php

```php
<!-- 12 задача -->
<?php
$host = 'localhost';
$user = 'root';
$password = '';
$db_name = 'INDEX3';

$link = mysqli_connect($host, $user, $password, $db_name);

$query1 = "SELECT u.username, i.interest_name
          FROM users u
          JOIN user_interests ui ON u.user_id = ui.user_id
          JOIN interests i ON ui.interest_id = i.interest_id
          WHERE u.username = 'Alice';";

$query2 = "SELECT u.username, i.interest_name
          FROM users u
          JOIN user_interests ui ON u.user_id = ui.user_id
          JOIN interests i ON ui.interest_id = i.interest_id
          WHERE i.interest_name = 'Интерес1';";

$arr = [$query1, $query2];

foreach($arr as $query){
    $result = mysqli_query($link, $query) or die(mysqli_error($link));
    for ($data = []; $row = mysqli_fetch_assoc($result); $data[] = $row);
    print_r($data);
    echo '<br/>';
    echo '<br/>';
    echo '<br/>';
}
?>
```

	interest_id	interest_name
Изменить Копировать Удалить	1	Интерес1
Изменить Копировать Удалить	2	Интерес2
Изменить Копировать Удалить	3	Интерес22
Изменить Копировать Удалить	4	Интерес5

	user_id	username
Изменить Копировать Удалить	1	Alice
Изменить Копировать Удалить	2	John
Изменить Копировать Удалить	3	Bob
Изменить Копировать Удалить	4	David

user_id	interest_id
1	1
2	2
3	1
4	2
3	1

localhost / 127.0.0.1 / inde localhost/test/index1.php localhost/test/index2.php

localhost

Array ([0] => Array ([username] => Alice [interest_name] => Интерес1))

Array ([0] => Array ([username] => Alice [interest_name] => Интерес1) [1] => Array ([username] => Bob [interest_name] => Интерес1) [2] => Array ([username] => Bob [interest_name] => Интерес1))

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