

PRACTICAL ASSIGNMENT PHP

(1) Develop a Shopping cart in PHP with following requirements:

Admin Site

1.Login

2.Manage Category

3.Manage Products

4. Logout

User site:

OUTPUT=>

Dbconnection.php

```
<?php
$con=mysqli_connect("localhost", "root", "123456", "question1");
if(mysqli_connect_errno())
{
    echo "Connection Fail".mysqli_connect_error();
}

?>
```

Usersite.php

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title></title>
</head>
<body>
```

```

<h1>Welcome to shopping site</h1>
<h3>USER SITE</h3>
<form action="">
    </br>
    <table border="1">
        <tr>
            <td>Product Name</td>
            <td>Product Type</td>
            <td>Price</td>
            <td>Image</td>
        </tr>
        <?php
            $host = "localhost";
            $username = "root";
            $password = "123456";
            $database = "question1";
            $con = mysqli_connect($host,$username,$password,$database);
            $sql="select * from property";
            $result=mysqli_query($con,$sql);
            while($row=mysqli_fetch_array($result))
            { ?>
                <tr>
                    <td><?php echo $row["pname"] ?></td>
                    <td><?php echo $row["ptype"] ?></td>
                    <td><?php echo $row["price"] ?></td>
                    <td></td>
                </tr>
            <?php }
        ?>

```

```

</table>
</form>
</body>
</html>

```

Login.php

```

<?php
    session_start();
    $errmessage="";
    $host="localhost";
    $username="root";
    $password="123456";
    $database="question1";
    $con = mysqli_connect($host,$username,$password,$database);
    if(isset($_POST["loginbtn"])!=null)
    {
        $errmessage="";
        $username = $_POST["username"];
        $password = $_POST["txtpassword"];
        $sql = "select * from user where username='$username' && password='$password' ";

        $result = mysqli_query($con,$sql);

        while($row=mysqli_fetch_array($result)){
            $_SESSION["username"]=$row["username"];
            $_SESSION["id"]=$row["id"];
            header("Location:pro_cat.php");
        }
        $errmessage="Invalid Credentials";
    }
?>
<!DOCTYPE html>

```

```

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login</title>
</head>
<body>
    <form method="post">
        <label>Username</label>
        <input type="text" name="username" id="username"></br>
        <label>Password</label>
        <input type="password" name="txtpassword" id="txtpassword"></br>
        <button type="submit" name="loginbtn" id="loginbtn">Login</button>
        <div style="color:red;"><?php echo $errmessage ?></div>
    </form>
</body>
</html>

```

Cat_pro.php

```

<?php
    session_start();
    if($_SESSION["id"]==null){
        header("Location:login.php");
    }
    if(isset($_POST["btnlogout"])!=null){
        session_destroy();
        header("Location:login.php");
    }
?>
<!DOCTYPE html>
<html>
<head>

```

```

        <meta charset="utf-8">

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <title></title>
</head>
<body>
<?php
    if($_SESSION["username"]!=null){
        echo "Welcome : ".$_SESSION["username"];
    } ?>
<form method="post">
    <button type="submit" name="btnlogout" id="btnlogout">Logout</button>
</form>
<br>
<a href="category.php">Manage Category</a> | <a href="productadd.php">Manage Product</a>
</body>
</html>

```

Category

Category.php

```

<?php
    session_start();

    if($_SESSION["id"]==null){
        header("Location:login.php");
    }

    if(isset($_POST["btnlogout"])!=null){
        session_destroy();
        header("Location:login.php");
    }
?>
<?php

```

```

include('dbconnection.php');
if(isset($_GET['cid']))
{
$rid=intval($_GET['cid']);
$sql=mysqli_query($con,"delete from category where cid=$rid");
echo "<script>alert('Data deleted');</script>";
echo "<script>window.location.href = 'category.php'</script>";
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<title></title>
</head>
<body>
<?php
    if($_SESSION["username"]!=null){
        echo "Welcome : ".$_SESSION["username"];
    }
?>
<div class="container-xl">
    <div class="table-responsive">
        <div class="table-wrapper">
            <div class="table-title">
                <div class="row">
                    <div class="col-sm-5">
                        <h2>Manage Category</h2>
                    </div>
                    <a href="cinsert.php" class="btn btn-secondary"><i class="material-icons"></i>
<span>Add New Category</span></a>

```

```

    </div>
</div>
<table border="1">
    <thead>
        <tr>
            <th>#</th>
            <th>Category Type</th>
            <th>Description</th>
            <th>Action</th>
        </tr>
    </thead>
    <tbody>
        <?php
$ret=mysqli_query($con,"select * from category");
$cnt=1;
$row=mysqli_num_rows($ret);
if($row>0){
while ($row=mysqli_fetch_array($ret)) {
?>
<!--Fetch the Records -->
        <tr>
            <td><?php echo $cnt;?></td>
            <td><?php echo $row['cattype'];?></td>
            <td><?php echo $row['catdesc'];?></td>
            <td>
                <a href="cedit.php?cid=<?php echo htmlentities ($row['cid']);?>" class="edit"
title="Edit" data-toggle="Edit"><i class="material-icons">&#xE254;</i></a>
                <a href="category.php?cid=<?php echo ($row['cid']);?>" class="delete" title="Delete"
data-toggle="tooltip" onclick="return confirm('Do you really want to Delete ?');"><i class="material-
icons">&#xE872;</i></a>
            </td>

```

```

        </tr>

        <?php
$cnt=$cnt+1;
}} else {?>

<tr>
    <th style="text-align:center; color:red;" colspan="6">No Record Found</th>
</tr>

<?php } ?>

        </tbody>
    </table>

</div>

</div>
</div>
</body>
</html>

```

Category insert.php

```

<?php
include('dbconnection.php');
if(isset($_POST['submit']))
{
    $cattype=$_POST['cattype'];
    $catdesc=$_POST['catdesc'];

    $query=mysqli_query($con, "insert into category(cattype,catdesc) value('$cattype','$catdesc')");
    if ($query) {
        echo "<script>alert('You have successfully inserted the data');</script>";
        echo "<script type='text/javascript'> document.location ='category.php'; </script>";
    }
    else
    {
        echo "<script>alert('Something Went Wrong. Please try again');</script>";
    }
}

```



```

}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<title></title>
</head>
<body>
<div class="signup-form">
  <form method="POST">
    <h2>Add Category</h2>
    <div class="form-group">
      <div class="row">
        <div class="col"><input type="text" class="form-control"
name="cattype" placeholder="category type" required="true"></div>
        <div class="col"><input type="text" class="form-control"
name="catdesc" placeholder="category description" required="true"></div>
      </div>
    </div>
    <div class="form-group">
      <button type="submit" class="btn btn-success btn-lg btn-block"
name="submit">Submit</button>
    </div>
  </form>
</div>
</body>
</html>

```

Category_edit.php

```

<?php
//Database Connection
include('dbconnection.php');
if(isset($_POST['submit']))

```

```

{
    $cid=$_GET['cid'];
    $cattype=$_POST['cattype'];
    $catdesc=$_POST['catdesc'];

    $query=mysqli_query($con, "update category set cattype='$cattype',catdesc='$catdesc' where
cid='$cid'")

    if ($query) {
        echo "<script>alert('You have successfully update the data');</script>";
        echo "<script type='text/javascript'> document.location ='category.php'; </script>";
    }
    else
    {
        echo "<script>alert('Something Went Wrong. Please try again');</script>";
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>

<title></title>
</head>
<body>
<div class="signup-form">
    <form method="POST">
        <?php
        $eid=$_GET['cid'];
        $ret=mysqli_query($con,"select * from category where cid='$eid'");
        while ($row=mysqli_fetch_array($ret)) {
            ?>

            <h2>Update </h2>

```

```

        <p class="hint-text">Update Category</p>

        <div class="form-group">

            <div class="row">

                <div class="col"><input type="text" class="form-control"
name="cattype" value="<?php echo $row['cattype'];?>" required="true"></div>

                <div class="col"><input type="text" class="form-control"
name="catdesc" value="<?php echo $row['catdesc'];?>" required="true"></div>

            </div>

        </div>

        <?php
    }?>

        <div class="form-group">

            <button type="submit" class="btn btn-success btn-lg btn-block"
name="submit">Update</button>

        </div>

    </form>

</div>

</body>

</html>

```

PRODUCT

Product_insert.php

```

<?php

session_start();

$errmessage="";

$host="localhost";

$username="root";

$password="123456";

$database="question1";

$con = mysqli_connect($host,$username,$password,$database);

if(isset($_POST["add"])) != null){

```

```

    $prname = $_POST["pname"];
    $prtype = $_POST["pt"];
    $price = $_POST["prc"];
    $fil = "images/".$_FILES["txtfile"]["name"];
//File uploading
if(move_uploaded_file($_FILES["txtfile"]["tmp_name"],$fil))
{
    echo"Successfully record Inserted";
    header("Location:productadd.php");
}
$sql = "insert into property(pname,ptype,price,image) values('$prname','$prtype','$price','$fil')";
$result = mysqli_query($con, $sql);
?>

```

Product add.php

```

<?php
    session_start();
    if($_SESSION["id"]==null){
        header("Location:login.php");
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title></title>
</head>
<body>
    <?php
        if($_SESSION["username"]!=null){

```

```

        echo "Welcome :".$_SESSION["username"];
    }
?>
<div>
<form action="prop.php" method="POST" enctype="multipart/form-data">
</br>
<label>Product Name</label>
<input type="text" name="pname" id="pname"></br>
<label>Product Type</label>
<input type="text" name="pt" id="pt"></br>
<label>Price</label>
<input type="text" name="prc" id="prc"></br>
<label>Image</label>
<input type="file" name="txtfile" id="txtfile"></br>
<button type="submit" name="add" id="add">Save</button></br>
</form>
<!-- <form action="">
</br>
<table border="1">
<tr>
<td>Product Name</td>
<td>Product Type</td>
<td>Price</td>
<td>Image</td>
</tr>
<?php
$host = "localhost";
$username = "root";
$password = "123456";
$database = "question1";
$con = mysqli_connect($host,$username,$password,$database);

```

```

$sql="select * from property";



$result=mysqli_query($con,$sql);
while($row=mysqli_fetch_array($result))
{ ?>
    <tr>
        <td><?php echo $row["pname"] ?></td>
        <td><?php echo $row["ptype"] ?></td>
        <td><?php echo $row["price"] ?></td>
        <td></td>
    </tr>
<?php }

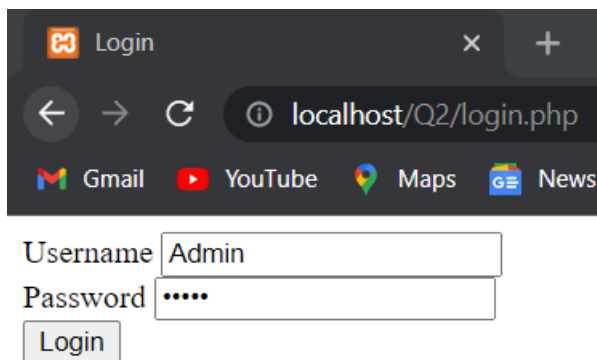
?>
</table>
</form> -->
<form method="post">
</br>
</form>
</div>
</body>
</html>

```

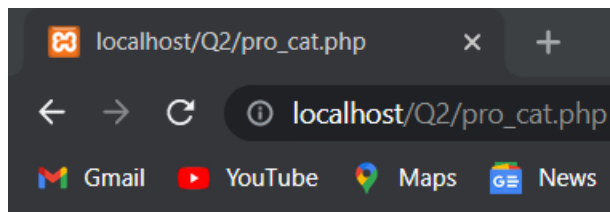
Welcome to shopping site

USER SITE

Product Name	Product Type	Price	Image
samsung	mobile	5000	
acer	laptop	100000	
iphone	Apple	130000	



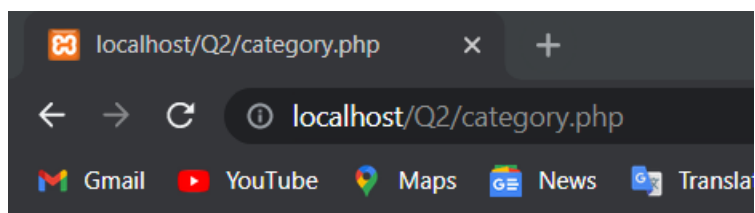
The image shows a web browser window with a dark theme. The title bar says 'Login'. The address bar shows 'localhost/Q2/login.php'. Below the address bar are links for Gmail, YouTube, Maps, and News. The login form has two input fields: 'Username' with the text 'Admin' and 'Password' with masked characters '.....'. A 'Login' button is positioned below the password field.



Welcome : Admin

[Logout](#)

[Manage Category](#) | [Manage Product](#)

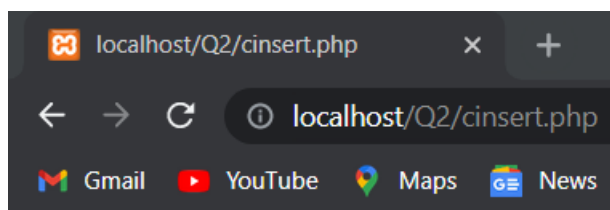


Welcome : Admin

Manage Category

[Add New Category](#)

#	Category Type	Description	Action
1	lapto	smart laptop	✎ ✖



Add Category

category type
category description
<input type="submit" value="Submit"/>

Update

Update Category

lapto
smart laptop
Update

Welcome :Admin

Add Product

Product Name	<input type="text"/>
Product Type	<input type="text"/>
Price	<input type="text"/>
Image	<input type="button" value="Choose File"/> <input type="button" value="No file chosen"/>
<input type="button" value="Save"/>	

(2) Read data from students.xml and print them

OUTPUT:

Student.xml

```
<?xml version="1.0" encoding="iso-8859-1"?>
<students>
<student>
<firstname>John</firstname>
<lastname>Player</lastname>
<age>12</age>
<class>5</class>
</student>
<student>
<firstname>Smith</firstname>
```

```
<lastname>Soy</lastname>
```

```
<age>11</age>
```

```
<class>4</class>
```

```
</student>
```

```
</students>
```

Student.xml output

```
<?php
```

```
$studentdata = simplexml_load_file('students.xml');
```

```
if(!$studentdata){
```

```
    echo 'Fail to load XML file';
```

```
}
```

```
else{
```

```
    foreach($studentdata as $student){
```

```
        echo 'Firstname: '.$student->firstname.'<br/>';
```

```
        echo 'Lastname: '.$student->lastname.'<br/>';
```

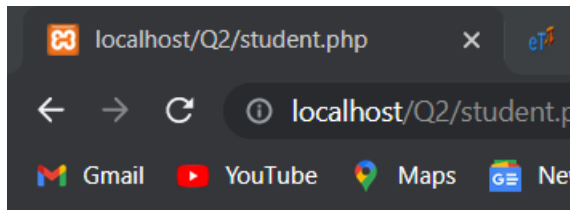
```
        echo 'Age: '.$student->age.'<br/>';
```

```
        echo 'Class: '.$student->class.'<br/><br/>';
```

```
    }
```

```
}
```

```
?>
```



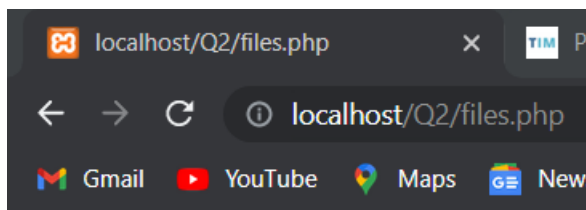
Firstname: John
 Lastname: Player
 Age: 12
 Class: 5

Firstname: Smith
 Lastname: Soy
 Age: 11
 Class: 4

(3) List files in directory

OUTPUT

```
<?php
$fileList = glob('q3/*');
foreach($fileList as $filename){
    echo $filename, '<br>';
}
```



q3/names.txt
 q3/test.txt

(4) Develop REST API for CRUD in php for product table

OUTPUT

Classs =>product.php

```
<?php
```

```

class Product{
    private $conn;
    private $db_table = "product";
    // Columns
    public $pid;
    public $ptype;
    public $pname;
    public $price;
    public $pdesc;

    public function __construct($db){
        $this->conn = $db;
    }
    // GET ALL
    public function getProduct(){
        $sqlQuery = "SELECT pid, ptype, pname, price, pdesc FROM " . $this->db_table . "";
        $stmt = $this->conn->prepare($sqlQuery);
        $stmt->execute();
        return $stmt;
    }
    // CREATE
    public function createProduct(){
        $sqlQuery = "INSERT INTO
            ". $this->db_table . "
        SET
            ptype = :ptype,
            pname = :pname,
            price = :price,
            pdesc = :pdesc";
        $stmt = $this->conn->prepare($sqlQuery);
    }
}

```

```

$this->ptype=htmlspecialchars(strip_tags($this->ptype));
$this->pname=htmlspecialchars(strip_tags($this->pname));
$this->price=htmlspecialchars(strip_tags($this->price));
$this->pdesc=htmlspecialchars(strip_tags($this->pdesc));
$stmt->bindParam(":ptype", $this->ptype);
$stmt->bindParam(":pname", $this->pname);
$stmt->bindParam(":price", $this->price);
$stmt->bindParam(":pdesc", $this->pdesc);

if($stmt->execute()){
    return true;
}
return false;
}

// READ single
public function getSingleEmployee(){
    $sqlQuery = "SELECT
        pid,
        ptype,
        pname,
        price,
        pdesc

    FROM

        ". $this->db_table ."

    WHERE

        pid = ?

    LIMIT 0,1";

    $stmt = $this->conn->prepare($sqlQuery);
    $stmt->bindParam(1, $this->pid);

    $stmt->execute();

```

```

$dataRow = $stmt->fetch(PDO::FETCH_ASSOC);

$this->ptype = $dataRow['ptype'];
$this->pname = $dataRow['pname'];
$this->price = $dataRow['price'];
$this->pdesc = $dataRow['pdesc'];
}

// UPDATE
public function updateProduct(){
    $sqlQuery = "UPDATE
        ". $this->db_table ."
    SET
        ptype = :ptype
        pname = :pname,
        price = :price,
        pdesc = :pdesc

    WHERE
        pid = :pid";

    $stmt = $this->conn->prepare($sqlQuery);

    $this->ptype=htmlspecialchars(strip_tags($this->ptype));
    $this->pname=htmlspecialchars(strip_tags($this->pname));
    $this->price=htmlspecialchars(strip_tags($this->price));
    $this->pdesc=htmlspecialchars(strip_tags($this->pdesc));
    $this->pid=htmlspecialchars(strip_tags($this->pid));

    // bind data
    $stmt->bindParam(":ptype", $this->ptype);
    $stmt->bindParam(":pname", $this->pname);

```

```

        $stmt->bindParam(":price", $this->price);
        $stmt->bindParam(":pdesc", $this->pdesc);
        $stmt->bindParam(":pid", $this->pid);
        if($stmt->execute()){
            return true;
        }
        return false;
    }

    // DELETE
    function deleteProduct(){
        $sqlQuery = "DELETE FROM " . $this->db_table . " WHERE pid = ?";
        $stmt = $this->conn->prepare($sqlQuery);
        $this->pid=htmlspecialchars(strip_tags($this->pid));
        $stmt->bindParam(1, $this->pid);
        if($stmt->execute()){
            return true;
        }
        return false;
    }
}

?>

```

Database.php

```

<?php
class Database {
    private $host = "localhost";
    private $database_name = "question1";
    private $username = "root";
    private $password = "123456";
    public $conn;
    public function getConnection(){
        $this->conn = null;

```

```

    try{
        $this->conn = new PDO("mysql:host=" . $this->host . ";dbname=" . $this->database_name,
        $this->username, $this->password);
        $this->conn->exec("set names utf8");
    }catch(PDOException $exception){
        echo "Database could not be connected: " . $exception->getMessage();
    }
    return $this->conn;
}
}
?>

```

Create.php

```

<?php
    header("Access-Control-Allow-Origin: *");
    header("Content-Type: application/json; charset=UTF-8");
    header("Access-Control-Allow-Methods: POST");
    header("Access-Control-Max-Age: 3600");
    header("Access-Control-Allow-Headers: Content-Type, Access-Control-Allow-Headers,
    Authorization, X-Requested-With");

    include_once 'database.php';
    include_once 'class/product.php';
    $database = new Database();
    $db = $database->getConnection();
    $item = new Product($db);
    $data = json_decode(file_get_contents("php://input"));
    $item->ptype;
    $item->pname;
    $item->price;
    $item->pdesc;
    if($item->createProduct()){
        echo 'Product created successfully.';
    }
}

```



```

    } else{
        echo 'Product could not be created.';
    }
?>

```

Delete.php

```

<?php
    header("Access-Control-Allow-Origin: *");
    header("Content-Type: application/json; charset=UTF-8");
    header("Access-Control-Allow-Methods: POST");
    header("Access-Control-Max-Age: 3600");

    header("Access-Control-Allow-Headers: Content-Type, Access-Control-Allow-Headers,
Authorization, X-Requested-With");

    include_once 'database.php';
    include_once 'class/product.php';

    $database = new Database();
    $db = $database->getConnection();
    $item = new Product($db);
    $data = json_decode(file_get_contents("php://input"));
    $item->pid = $data->pid;
    if($item->deleteProduct()){
        echo json_encode("Product deleted.");
    } else{
        echo json_encode("Data could not be deleted");
    }
?>

```

Read.php

```

<?php
    header("Access-Control-Allow-Origin: *");
    header("Content-Type: application/json; charset=UTF-8");
    include_once '../database.php';
    include_once '../class/product.php';

```

```
$database = new Database();  
$db = $database->getConnection();  
$items = new Product($db);  
$stmt = $items->getProduct();  
$itemCount = $stmt->rowCount();  
  
echo json_encode($itemCount);  
if($itemCount > 0){  
  
    $productArr = array();  
    $productArr["body"] = array();  
    $productArr["itemCount"] = $itemCount;  
    while ($row = $stmt->fetch(PDO::FETCH_ASSOC)){  
        extract($row);  
        $e = array(  
            "pid" => $pid,  
            "ptype" => $ptype,  
            "pname" => $pname,  
            "price" => $price,  
            "pdesc" => $pdesc  
        );  
        array_push($productArr["body"], $e);  
    }  
    echo json_encode($productArr);  
}  
else{  
    http_response_code(404);  
    echo json_encode(  
        array("message" => "No record found.")  
    );  
}
```

```
?>
```

Update.php

```
<?php
```

```
header("Access-Control-Allow-Origin: *");
```

```
header("Content-Type: application/json; charset=UTF-8");
```

```
header("Access-Control-Allow-Methods: POST");
```

```
header("Access-Control-Max-Age: 3600");
```

```
header("Access-Control-Allow-Headers: Content-Type, Access-Control-Allow-Headers,  
Authorization, X-Requested-With");
```

```
include_once 'database.php';
```

```
include_once 'class/product.php';
```

```
$database = new Database();
```

```
$db = $database->getConnection();
```

```
$item = new Product($db);
```

```
$data = json_decode(file_get_contents("php://input"));
```

```
$item->pid = $data->pid;
```

```
$item->ptype = $data->ptype;
```

```
$item->pname = $data->pname;
```

```
$item->price = $data->price;
```

```
$item->pdesc = $data->pdesc;
```

```
"pid" => $item->pid,
```

```
"ptype" => $item->ptype,
```

```
"pname" => $item->pname,
```

```
"price" => $item->price,
```

```
"pdesc" => $item->pdesc
```

```

if($item->updateProduct()){
    echo json_encode("Product data updated.");
} else{
    echo json_encode("Data could not be updated");
}
?>

```

Single read.php

```

<?php
    header("Access-Control-Allow-Origin: *");
    header("Content-Type: application/json; charset=UTF-8");
    header("Access-Control-Allow-Methods: POST");
    header("Access-Control-Max-Age: 3600");
    header("Access-Control-Allow-Headers: Content-Type, Access-Control-Allow-Headers, Authorization, X-Requested-With");

    include_once 'database.php';
    include_once 'class/product.php';

    $database = new Database();
    $db = $database->getConnection();
    $item = new Product($db);

    $item->pid = isset($_GET['pid']) ? $_GET['pid'] : die();

    $item->getSingleProduct();
    if($item->name != null){
        // create array
        $pro_arr = array(
            "pid" => $item->pid,
            "ptype" => $item->ptype,

```

```

        "pname" => $item->pname,
        "price" => $item->price,
        "pdesc" => $item->pdesc

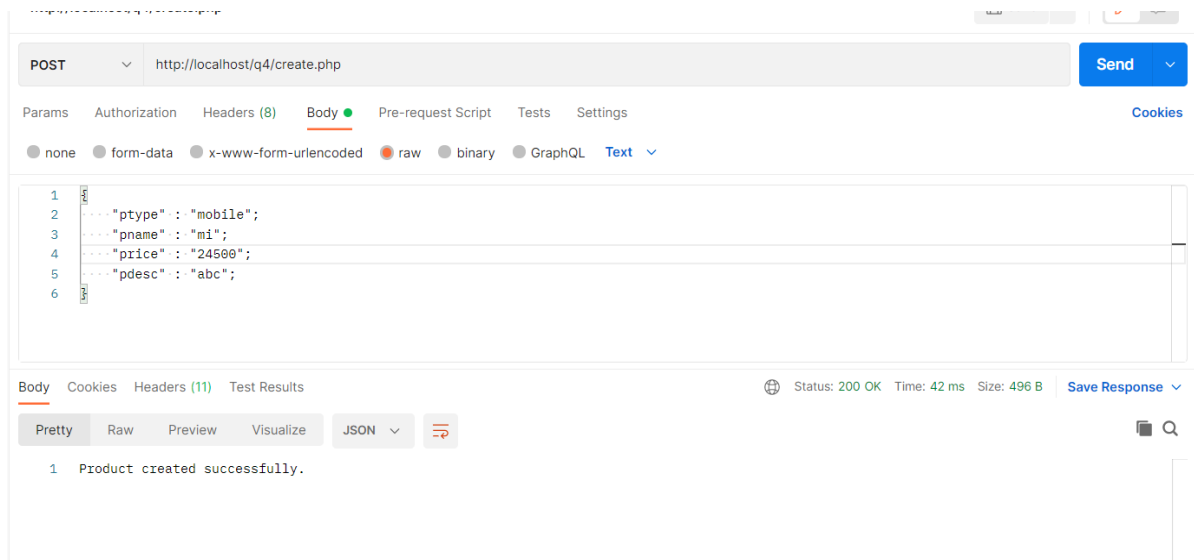
    );

    http_response_code(200);
    echo json_encode($pro_arr);
}

else{
    http_response_code(404);
    echo json_encode("Product not found.");
}

?>

```



http://localhost/q4/update.php Save Edit

POST ▼ http://localhost/q4/update.php Send ▼

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL Text ▼

```
1 {
2   ... "pid" : "1";
3   ... "ptype" : "laptop";
4   ... "pname" : "acer";
5   ... "price" : "240000";
6   ... "pdesc" : "abc";
7 }
```

Body Cookies Headers (11) Test Results 🌐 Status: 200 OK Time: 30 ms Size: 494 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ 🔍

```
1 "Data could not be updated"
```

http://localhost/q4/delete.php Save Edit

DELETE ▼ http://localhost/q4/delete.php Send ▼

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL Text ▼

```
1 {
2   ... "pid" : 3
3 }
```

Body Cookies Headers (11) Test Results 🌐 Status: 200 OK Time: 16 ms Size: 485 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ 🔍

```
1 "Product deleted."
```

The screenshot shows a web browser's developer tools interface. The top section displays the URL `http://localhost/q4/single_read.php?pid=28` and the `GET` method. The `Body` tab is selected, showing the response body in JSON format. The response is a successful `200 OK` status with a time of `30 ms` and a size of `543 B`. The JSON data represents a mobile product with the following fields:

```
{  "pid": "28",  "ptype": "mobile",  "pname": "mobile",  "price": "878",  "pdesc": "jhkjh"}
```