# Week 9 Practical Exercises

Note:
- Exercise 3 and 4 will be assessed as part of the Practical Set 2 submission.
- Include HTML comments for your student ID, Name, and Practical Class Time at the top of each source file created.
- All files must be uploaded to your TWA web site before submission of Practical Set 2.

Objectives:
- write php scripts that correctly retrieve form inputs via post and get methods.
- write php scripts that correctly retrieve form inputs using the basic ideas of postback.

Suggested Resources:
- PHP Manual       `https://www.php.net/manual/en/index.php`
- PHP tutorials      `https://www.w3schools.com/php/`

**Before you start:**
1. Upload the html and php files provided to you (see the zip file) into your TWA web site in the `practicals/week9` folder
2. Upload the css file provided to you (see the zip file) into your TWA web site in the `practicals/css` folder

Exercise 1:
- This question uses the `exercise1.html` file to capture some data from the user. When the form submits it will send the data to `exercise1.php` (see the action attribute in the form) for processing on the server. You will create the `exercise1.php` file below:
  - Create a file named `exercise1.php` in `practicals/week9` on your TWA web site.

A. Add the following code to `exercise1.php`:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Week 9 Exercise 1</title>
  </head>
  <body>
    <?php
      //obtain the firstname input from the $_GET array
      $namestr = $_GET["firstname"];
      //obtain the values for the other input devices here

    ?>
    <p>The following information was received from the form:</p>
    <p><strong>name = </strong> <?php echo "$namestr"; ?></p>
    <!--output the other form inputs here -->
  </body>
</html>
```

B. Test the php script by submitting data from `exercise1.html` to the php script. You will notice that not all of the input devices from the form are shown in the output of the php page. Fix this by making appropriate modifications to the php file so that **all input devices** are shown as part of the output.

> *What you should notice by completing this exercise is that it does not matter what type of input device is used on the form (text box, radio button, checkbox, selection list, etc) the method of obtaining the values is the same.*

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Exercise 2

- This question uses the `exercise2.html` file to capture some data from the user. When the form submits it will send the data to `exercise2.php` (see the action attribute in the form) for processing on the server. You will create the `exercise2.php` file below.
- The forms in exercise 1 and 2 are very similar but with some important differences. These include:
    - the selection list size has been changed to "4"
    - multiple selections are now enabled in the selection list
    - the action of the form has been changed to `exercise2.php`
    - the form **method** has been changed
- create a file named `exercise2.php` in `practicals/week9` on your TWA web site
- **copy** your solution code from `exercise1.php` into `exercise2.php`

A. **modify** `exercise2.php` to correctly process the form from `exercise2.html`. **Hint**: Because of the changes made to the form (in particular, the change to the form method is critical) you will need to modify several aspects of the php script.
B. Ensure that your exercise2 script is capable of displaying all of the selections made from the selection list - it won't without appropriate modifications to both the html form and the php. **Hint**: Review lecture slides and examples for how to process input devices that can have **multiple values**.

Exercise 3

- In week 5 and 6 you completed the Patient Registration form. Copy your completed html form (`PatientForm.html`) into your `practicals/week9` folder.
- Remove all JavaScript from `practicals/week9/PatientForm.html` and delete the link to `week6script.js` so that this copy of the form doesn't have any client-side JavaScript functionality.

A. Create a file named `register.php` in the `practicals/week9` folder.
  Change the action URL in your form in `practicals/week9/PatientForm.html` to `register.php`
B. Add suitable **HTML** and **php** code to `register.php` to produce output like that shown in the example output below.

**Example Input**

| **Personal Details (Patient)** |
| --- |

Title: Mr.☐  Mrs.☒  Miss.☐  Ms.☐  Other:

Surname:  Doubtfire

Given Name(s) in Full:  Euphegenia

Previous Surname(s):

Date of Birth:        01/06/1940

Sex:                          Male ☐  Female ☒

Country of Birth:     England

If Australia, what state:

Marital Status: Married ☐  Single ☐  Widowed ☒

                Separated ☐  De Facto ☐  Divorced ☐

Do you wish to be visited
by a Church Representative Yes ☐  No ☒

Religion:

Aboriginal / Torres Strait Islander:  Yes ☐  No ☒

Address:  12 Crooked Creek Rd
          Burning Palms
                        Postcode:  2508

Phone No. (AH)  0429272625  (BH)

| **Next of Kin / Contact Person.** |
| --- |

Name:

Address:


Phone No. (AH)                   (BH)

Relationship to Patient:

Medicare No:  12042927262

Card I.D. No:  1          Expiry Date:  06/2026

**Example Output**

```
Patient Registration Details

Mrs Euphegenia Doubtfire, thank you for registering as a new patient at our medical surgery. Please check
that the following details are correct. Please notify our reception staff if any corrections need to be
made.

Full Name:        Mrs Euphegenia Doubtfire (Widowed)
Address:          12 Crooked Creek Rd
                  Burning Palms
                  2508
DOB:              01/06/1940
Phone 1:          0429272625          Phone 2:        Not supplied
Medicare:         120429272625 – 1    Expiry:         06/2026
Birth Country:    England
No Next of Kin details provided.
```

## Exercise 4

- This exercise utilises `exercise4.php` from the zip file. There isn't a separate html file for this exercise; both the html form (already provided in the php file) and the php script to process the form will reside in the `practicals/week9/exercise4.php` file - you will add the necessary php to process the form to the `practicals/week9/exercise4.php` file as described below.
- The differences between the forms in exercise2 and exercise4 are:
  - the form submits to itself (ie, the action is `exercise4.php`),
  - the php processing for retrieving and displaying the form values is in the same php file as the form instead of a separate php file. This is known as **postback**. Review lecture notes and examples where we covered the idea of postback.

**Modify** the code given in `practicals/week9/exercise4.php` so that

A. **all** form values as submitted by the user are correctly displayed in the output section underneath the form. **Note**: The first form field has been done for you in the code.
B. the output section underneath the form should only display if the form has been submitted. **Hint**: review lecture notes and examples where we covered the idea of postback.
C. the *Undefined Index* notices do not display above the form (**do not move** this section of the code). **Hint**: your solution to part B will help you with part C.