

## PHP Exercise 2.1

1. Write a PHP program that read radius from a form, calculates and display area of a circle (formula:  $A = \pi r^2$ )
2. Create the following form, declare php variables that hold the values of each field and display the output in the following format when the display button is clicked. Calculate total mark as Continuous Result plus Final Result and display it.

### Student Result Registration Form

ID:

Name:

Father Name:

College:

Department:

Sex: ☐ Male ☐ Female

Section:

Course Title:

Continuous Result(60%):

Final Result(40%):

Feedback:

### Output

Id:TER/001/02  
Name:Ermias  
Father's Name:Mamo  
Sex:Male  
College:Technology  
Department Id:IT  
Section:A  
Course:Internet Programming  
Continuous Result:45  
Final Result:25  
Total: 70  
Feedback:Good

## PHP Exercise 2.2

1. Write a PHP script that can accept age of a student, make sure that age entered by the student is valid (above 0) or not. If it is valid, display “Age has been submitted successfully” upon submit. Otherwise display “The age you entered is invalid, please enter your age again”.
2. Write a PHP script that can
  - a. Accept name, father name, test, assignment, project, and final result from the user.
  - b. Calculate total mark as( test+assignment+project+final) if
    - i. Test result is between 0 and 10
    - ii. Assignment result is between 0 and 10
    - iii. Project result is between 0 and 30
    - iv. Final result is between 0 and 50
    - v. Otherwise display “Please enter valid input” as error message.
  - c. Make sure to round up or down the total mark
  - d. Give grade as follows (make sure that total mark is not null and display “Wrong result” if total is null)

- ✓ If total mark  $\geq 90$ , grade=A+
- ✓ If total mark  $\geq 85$ , grade=A
- ✓ If total mark  $\geq 80$ , grade=A-
- ✓ If total mark  $\geq 75$ , grade=B+
- ✓ If total mark  $\geq 70$ , grade=B
- ✓ If total mark  $\geq 65$ , grade=B-
- ✓ If total mark  $\geq 60$ , grade=C+
- ✓ If total mark  $\geq 50$ , grade=C
- ✓ If total mark  $\geq 45$ , grade=C-
- ✓ If total mark  $\geq 40$ , grade=D
- ✓ Otherwise grade=F

b. Display the following

**Full name:**

**Test:**

**Assignment:**

**Project:**

**Final:**

**Total:**

**Grade:**

3. Write a PHP script that can (use switch)

- a. Accept two numbers and one of the arithmetic operators (such as +, -, \*, /, %)
- b. calculate sum if the selected operator is +, difference if the selected operator is -, product if the selected operator is \*, Quotient if the selected operator is / and the second number is different from 0 otherwise display “division by zero is prohibited”, and remainder if the selected operator is %,
  - c. Display the result as follows

**Result: 20+30=50**

**Note: Display “Wrong input” if the user enter values different from numbers**