**1. Write a simple program to calculate total numbers of days you lived up to until now**

<html>

<head>

    <title>Calculate Days Lived</title>

</head>

<body>

<h2>Calculate Days Lived</h2>

<form action="calculate.php" method="POST">

    <label for="age">Enter your age in years:</label>

    <input type="number" name="age" required>

    <input type="submit" value="Submit">

</form>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Days Lived Calculation</title>

</head>

<body>

<h2>Days Lived Calculation</h2>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$age = intval($\_POST['age']);

$days = $age \* 365;

echo "You have lived approximately $days days.";

} else {

echo "No age entered.";

}

?>

**2. Write a code to calculate and print percentage of a student where,**

**Total\_Marks=400, Obtained\_Marks=Sum of obtained marks of all 4 subjects**

**Percentage= (Obtained\_Marks\*100)/Total\_Marks.**

<?php

$total\_marks = 400;

$subject1 =55;

$subject2 =66;

$subject3 =78;

$subject4 =45;

$obtained\_marks =$subject1 + $subject2 + $subject3 + $subject4;

echo "percentage= ".$obtained\_marks \* 100 /$total\_marks, "%";

?>

**3. Write a code to input Temperature in Centigrade and convert to Fahrenheit.**

<html>

<head>

<title>Temperature Conversion</title>

</head>

<body>

<h2>Convert Temperature from Centigrade to Fahrenheit</h2>

<form action="" method="POST">

<label for="celsius">Enter Temperature in Centigrade:</label>

<input type="text" id="celsius" name="celsius" required>

<input type="submit" value="Convert">

</form>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$celsius = $\_POST['celsius'];

$fahrenheit = ($celsius \* 9/5) + 32;

echo "<h3>$celsius °C is equal to $fahrenheit °F</h3>";

}

?>

</body>

</html>

**4. If $A= 34 and $B=55 then solve the following Exercise; Also Justify your answer**

**a) $A= = 34 && $B = = 55**

True. && means and, for it to be true both statements have to be true. Both $A== 34 and $B==55 are correct statements

**b) $A>=30 || $B<=50**

True. || means ‘or’, for it to be true at least one statement has to be true $A>= 34 is a correct statement.

**c) $B= = 55 || $A= =35**

True. || means ‘or’, for it to be true at least one statement has to be true $B==55 is a correct statement.

**d) $A !=34**

False. != means not equal. The statement $A !=34 is false because $A is equal to 34

**e) $A>=30 && $A<35**

True. && means and, for it to be true, both statements have to be true. Both $A>= 30 and $A<35 are correct statements

**f) $B>50 || $B<56**

True. || means ‘or’, for it to be true at least one statement has to be true. Both $B>50 and $B<56 are correct

**5. Mention the output of the following code at each step**

**<?php Output**

**$a = 33;**

**$b = 55;**

**$a += $b;** $a = 33 + 55 = 88

**$c = $a;** $c = 88

**$c -= $b;** $c = 88 - 55 = 33

**$c \*= $a;** $c = 33 \* 88 = 2904

**$a++;** $a = 88 + 1 = 89

**echo "a=$a ,b=$b , c=$c";** $a=89 ,$b=55, $c=2904

**6. What is the result after the execution of the following program segment?**

**<?php**

**$a = 8;**

**$b = ++$a + 5;**

**$c = $b-- + 10;**

**echo "a= $a , b= $b , c = $c "; ?>**

answer: $a= 9 , $b= 13 , $c = 24

**7. Write down the output of following code and also justify your answer**

**a) echo 4 + 2 - 12 \* 3 ; //what will be output**

-30.

According to the order of operations (PEMDAS), multiplication is done before addition and subtraction.

 First, calculate 12\*3: 12∗3=3612 \* 3 = 3612∗3=36

 Now substitute that back into the expression:

4+2−364 + 2 - 364+2−36

 Calculate from left to right:

4+2=64 + 2 = 64+2=6

6−36=−306 - 36 = -306−36= −30

**b) echo 4 + (2 – 12) \* 3 ; //what will be output**

- 26

 The expression inside the parentheses is calculated first.

 Calculate 2-12: 2−12=−102 - 12 = -102−12=−10

 Substitute that back into the expression: 4+(−10)∗34 + (-10) \* 34+(−10)∗3

 Now perform the multiplication:−10∗3=−30-10 \* 3 = -30−10∗3=−30

 Finally, calculate: 4−30 = −264 - 30 = -264−30= −26

**c) echo ( (4 + 2) - 12 ) \* 3 //what will be output**

-18

 Start with the operation inside the innermost parentheses:

 Calculate 4+2: 4+2=64 + 2 = 64+2=6

 Substitute that back into the expression: (6−12)∗3(6 - 12) \* 3(6−12)∗3

 Now calculate the expression in the parentheses:6−12=−66 - 12 = -66−12=−6

 Finally, multiply by 3: −6∗3= − 18-6 \* 3 = -18−6∗3= −18

**8. What value is assigned to $ReturnValue for each of the following expression.**

**a) $ReturnValue = 2 == 3;** bool(false)

**b) $returnValue = "2" + "3";** int(5)

**c ) $ReturnValue = 2 > 3**; bool(false)

**d) $ReturnValue = 2 < 3;** bool(true)

**e ) $ReturnValue = (2 > 3 ) && ( 2 < 3):**  bool(false)

**f) $ReturnValue = (2 > 3 ) || (2 < 3** ) bool(true)