

Practical Assignment – 2

1. Write a PHP code to check that a given number is odd or even.
2. Write a PHP code to check where a given number is negative or positive.
3. Write a PHP code to check where a given is negative or positive or zero.
4. Write a PHP code to check where a given number is divisible by 4 and 11 both.
5. Write a PHP code that declared price and qualities and based on the total bill gives the following discount and calculates net amount.
 - Total Amount ≤ 1000 NO-DISCOUNT
 - Total Amount between 1000 & 2000 then 5%
 - Total Amount between 2001 & 3000 then 10%
 - Total Amount between 3001 & 5000 then 15%
 - Total Amount > 5000 then 25%
6. Write a PHP code declared basic salary of an employee and calculate its gross salary and net salary according to following.
 - Basic Salary ≤ 10000 : HRA = 20%, DA = 80%
 - Basic Salary ≤ 20000 : HRA = 25%, DA = 90%
 - Basic Salary > 20000 : HRA = 30%, DA = 95%
 - PF is 10% based on Gross Salary
 - $GS = \text{Basic Sal} + \text{HRA} + \text{DA}$
 - $NS = GS - PF$
7. Write a PHP code to declared marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:
 - Percentage $\geq 90\%$: Grade A
 - Percentage $\geq 80\%$: Grade B
 - Percentage $\geq 70\%$: Grade C
 - Percentage $\geq 60\%$: Grade D
 - Percentage $\geq 40\%$: Grade E
 - Percentage $< 40\%$: Grade F
8. Write a PHP code to declared electricity unit charges and calculate total electricity bill according to the given condition:
 - For first 50 units Rs. 1.50/unit
 - For next 100 units Rs. 2.25/unit
 - For next 100 units Rs. 2.80/unit
 - For unit above 250 Rs. 3.50/unit

- An additional surcharge of 20% is added to the bill

9. Write PHP Program which input the number of days the member is late to return the book and display the fine or the appropriate message.

- First 5 days' late fees are Rs.10
- 6 to 10 days' late fees are Rs.50
- 11 to 15 days' late fees are Rs.100
- 16 to 30 days' late fees are Rs. 200
- more than 30 days' membership cancelled
- If Input is negative, then give the message invalid input

10. Write a PHP code to display the series 1 2 3 4 5 up to a given number.

11. Write a PHP code to display the series 2 4 6 8 10 up to a given number.

12. Write a PHP code to display the series 1 3 5 7 9 11 ... up to a given number.

13. Write a PHP code to display the series from 10 9 8 7 1

14. Write a PHP code to display the series 1 4 9 16 25 up to a given number.

15. Write a PHP code which defines starting and ending number and display series.

16. Write a PHP code which declares the starting and ending number and displays the even number in that series.

17. Write a PHP code which declares the starting and ending number and displays the odd number in that series.

18. Write a PHP code which declares the starting and ending number and counts the total number of odd in that series.

19. Write a PHP code which calculates sum of series from given start and end numbers.

20. Write a PHP code which makes the factorial of a given number.

21. Write a PHP code which calculates the sum of even numbers in series from a given start and end number.

22. Write a PHP code which declares starting number, ending number and direction and displays sequential series. Here, direction can be F or R. F means Forward and R means Reverse. If the user provides first no greater than second no then provide the message first no must be smaller than second no. If the user provides direction other than F or R then the message direction must be F or R. Here, F or R may be in lowercase or uppercase.

- INPUT: 1 10 F then OUTPUT: 1 2 3 4 5 6 7 8 9 10
- INPUT: 1 10 R then OUTPUT: 10 9 8 7 6 5 4 3 2 1
- INPUT: 10 1 F then OUTPUT: First no must be smaller than second no
- INPUT: 1 10 A then OUTPUT: Direction must be F or R

23. Write a PHP Program which makes the sum of digits of the given number.

- INPUT: 786 then OUTPUT: SUM OF DIGIT = $7 + 8 + 6 = 21$
- INPUT: 123 then OUTPUT: SUM OF DIGIT = $1 + 2 + 3 = 6$

24. Write a PHP Program which declares begin and end number and print total of the following series.

- INPUT: 1 10 then OUTPUT: $1-2+3-4+5-6+7-8+9-10 = -5$

25. Write a PHP Program which declares a number and display factors of that number.

- INPUT: 12 then OUTPUT: 1 2 3 4 6 12
