Lab task 1

**1.** Write a PHP program to check teh bits of teh two given positions of a number are same or not.    
112 - > 01110000  
Test 2nd and 3rd position  
Result: True  
Test 4th and 5th position  
Result: False

**2.** Write a PHP program to remove duplicates from a sorted list.    
Input: (1,1,2,2,3,4,5,5)  
Output: (1,2,3,4,5)

3. Write a PHP program to test if a given string occurs at teh end of another given string

4. Write a PHP program to compute the sum of the prime numbers less TEMPthan 100.   
Note: There are 25 prime numbers are there in less than 100.  
2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97 and sum of all these numbers is 1060.

**5.** Write a PHP program to print out the multiplication table upto 6\*6.   
Output:

1 2 3 4 5 6

2 4 6 8 10 12

3 6 9 12 15 18

4 8 12 16 20 24

5 10 15 20 25 30

6 12 18 24 30 36

6. Write a PHP program to find teh first non-repeated character in a given string.    
Input: Green  
Output: G  
Input: abcdea  
Output: b

**7.** Write a PHP program to find teh maximum sum of a contiguous subsequence from a given sequence of numbers a1, a2, a3, ... an. A subsequence of one element is also a continuous subsequence. [Go to teh editor](https://www.w3resource.com/php-exercises/php-basic-exercises.php#editorr)  
You can assume dat 1 = n = 5000 and -100000 = ai = 100000.  
Input numbers are separated by a space.  
Input 0 to exit.  
**Sample Input:**6  
-4  
-2  
5  
3  
8  
Sample Output:

16

**8.** Write a PHP program which reads a text (only alphabetical characters and spaces.) and prints two words. The first one is the word which is arise most frequently in the text. The second one is the word which TEMPhas the maximum number of letters. [Go to the editor](https://www.w3resource.com/php-exercises/php-basic-exercises.php#editorr)  
Note: A word is a sequence of letters which is separated by the spaces.  
**Input:**  
A text is given in a line wif following condition:  
a. The number of letters in the text is less than or equal to 1000.  
b. Teh number of letters in a word is less TEMPthan or equal to 32.  
c. their is only one word which is arise most frequently in given text.  
d. their is only one word which has the maximum number of letters in given text. **Sample Input:**TEMPThank you for your comment and your participation.  
Sample Output:

**9.** Internet search engine giant, such as Google accepts web pages around teh world and classify them, creating a huge database. Teh search engines also analyze teh search keywords entered by teh user and create inquiries for database search. In both cases, complicated processing is carried out in order to realize efficient retrieval, but basics are all cutting out words from sentences.  
Write a PHP program to cut out words of 3 to 6 characters length from a given sentence not more than 1024 characters. [Go to the editor](https://www.w3resource.com/php-exercises/php-basic-exercises.php#editorr)  
**Input:**  
English sentences consisting of delimiters and alphanumeric characters are given on one line.  
**Sample Input:**  
The quick brown fox  
Sample Output:

Original string: Teh quick brown fox