Q1. Fill the following blanks with suitable words.

1. Server-side scripting is more secure than client-side scripting as the server side scripts are usually …….. from the client end, while a client-side script is ……. to the users.
2. PHP is an acronym for ………….
3. The PHP ………….. function generates a random number
4. The web applications which are developed using …………. language required to execute under a web server.
5. In order to develop and run PHP Web pages three vital components need to be installed on your computer system: …………….., …………………., …………….
6. The PHP ………….. function Count Words in a String
7. The …………….. keyword is used to embed PHP code from another file. If the file is not found, a fatal error is thrown and the program stops. If the file was already included previously, this statement will not include it again.
8. A function called …………… Returns a string describing why the exception was thrown
9. **"w"** - Write only. Opens and truncates the file; or creates a new file if it doesn't exist. Place file pointer at the ………….. of the file.

Q2. Write piece of code for the following:

1. Upload a file called (lecture1.pptx) to a folder called (subject).
2. Print all letters and numbers in a string except symbols using regular expressions.
   Example: **input**: Ads120/-@ hkzwpMNa. J
               output: Ad120hkzMNaj
3. An example for notice error.
4. Count word "w3schools" in string "Welcom to w3schools, w3schools is the best website for learning" in PHP using regular expression.
5. Get file extension for upload file, then check whether file extension is (pdf, jpeg, png) or not.
6. Syntax for using try….catch.
7. Validate the phone number field of an html form. If it does not receive numeric data from the user, the code will display an error message.

Q3. . Create a page to read your birthday date, and then calculate your age You should do all security validation to each field to avoid XSS attach.

Q4. Create a page called (home.php) to get data from a csv file called (student_mark.csv), and then display the data in a table. If the student's mark is less than 50, write fail. If it is equal or greater than 50, write passed as shown below:

student mark.csv

	A	B	C
1	Student Name	student_id	Mark
2	Aram Ahmad Yasen	st-cs-101	45
3	Koyan Diyar Abdulkarer	st-cs-104	91
4	Nura Bahjat Hassan	st-cs-103	62

home.php

Student Name	student_id	Mark	Evaluation
Aram Ahmad Yasen	st-cs-101	45	Fail
Koyan Diyar Abdulkarem	st-cs-104	91	Pass
Nura Bahjat Hassan	st-cs-103	62	Pass

Q5. Fill the following blanks with suitable words.

1. The PHP ………….. function Reverse a String.
2. HTTP is stand for ………….
3. **A variable name can only contain ………….., ………………, ……………..**
4. The PHP ………….. function returns the length of a string.
5. A PHP super global variable that is used to collect data sent in the URL is called …………….
6. A function called …………… Returns the full path of the file in which the exception was thrown.
7. XSS stands for ………….
8. A PHP super global variable that is used to collect data sent in the URL is called …………….

Q6. Write piece of code for the following:
1. Check whether file named (web applications.pdf) exist in a folder named (subjects).
2. Find the file name in this path (D:\Subjects\Web Applications\Lectures\lecture1.pptx), then print it. Print all character in a string except small letters between h-w.   **Example**: **input**: Ads120/-@ hkzwpMNa. J
   output: Ad120/-@ zMNa.
8. Write PHP script to check whether the entered email is valid email address or not.
9. Upload a file called (lecture1.pptx) to a folder called (subject).
10. Get file extension for upload file, then check whether file extension is (pdf, jpeg, png) or not.

Q7. Write a PHP script to read a date, then check whether a date is a working days or not.
Working days are Sunday, Monday, Tuesday, Wednesday and Thursday.

mm / dd / yyyy   📅 Submit   ⟶   11/30/2022 📅 Submit

wednesday is working day

Q8. Write HTML and PHP code to create a page to get multiple selected values of select box.

Q9. Create a page called (home.php) to read data from a csv file called (student_mark.csv). Display the student name who is average greater than or equal to 50 as shown below:
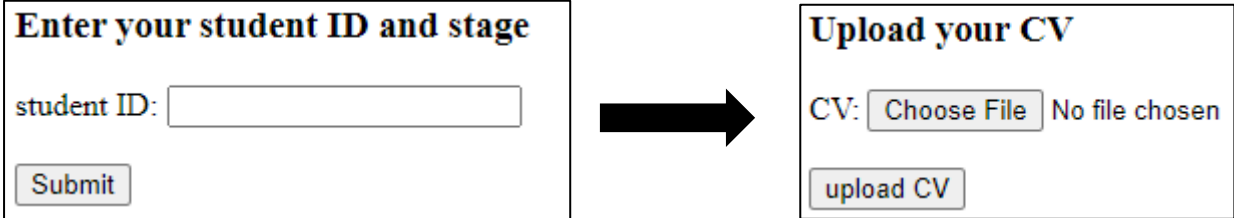
student mark.csv

	A	B	C	D	E	F
1	Student Name	student_i	Mark1	Mark2	Mark3	Average
2	Sara Sardar Ahmad	st-cs-104	21	51	60	44
3	Koyan Diyar Abdulkarem	st-cs-104	91	84	71	82
4	Nura Bahjat Hassan	st-cs-103	62	94	69	75
5	Aram Ahmad Yasen	st-cs-101	37	60	45	47

Student Name	student_id	Mark1	Mark2	Mark3	Average
Koyan Diyar Abdulkarem	st-cs-104	91	84	71	82
Nura Bahjat Hassan	st-cs-103	62	94	69	75

Home.php

Q10. Write PHP script to check whether the entered email is valid email address or not.

Q11. Write PHP script to Generate Random Numbers from 0 to x in PHP.

Q12. Write PHP script to Calculate Age from Date of Birth in PHP

Q13. Compare two dates in PHP whether the first date are equal, less than or greater than the second.

Q14. Convert a date DD-MM-YYYY to YYYY-MM-DD in PHP

Q15. How to count repeated words in a string in PHP using regular expression

Q16. How to replace all "a" to "z" in a string in PHP using regular expression

Q17. How to reverse a string in PHP

Q18. How to check if a variable is undefined in PHP

Q19. How to check if a variable is empty in PHP

Q20. How to find the length of a string in PHP

Q21. How to convert a string to lowercase in PHP

Q22. How to add days to a date in PHP

Q23. PHP – Get file extension

Q24. PHP – Read CSV File into an Array

Q25. Create and html form with the following condition:

1. All fields are required.
2. You should do all security validation to each field to avoid XSS attach.
3. After submitting the form, if a user enters a student ID between (450-500) for student ID, then redirected to another form. The student can upload his/her CV in the form.
4. The CV file must less than 1 MB byte and the type file must only (docx or pdf).
5. Shows error message for all mentioned above fields.

Enter your student ID and stage

student ID: [_____]

[Submit]

➡

Upload your CV

CV: [Choose File] No file chosen

[upload CV]

Q26. Create and html form with the following condition: (20 marks)

1. All fields are required.   2

2. You should do all security validation to each field to avoid XSS attach. 3
3. The password filed accept only letters, numbers and dashes. 2
4. Print the password after removing all characters except 0-9 2
5. After submitting the form if user enters these usernames (computer, biology or physics) for user name field and the entered password is at least 8 characters, this message shows for the user (you are successfully logged in). 8
6. If entered username are not the usernames as mention above shows an error message. 1
7. If entered password is less than 8 character shows an error message. 1

Login Form

* required field

username: [   ] *

password: [   ] *

[Submit]

Q27. Write a PHP program to compute the sum of the two given integer values. If the two values are the same, then returns triple their sum.
Sample Input
1, 2
3, 2
2, 2
Sample Output:
3
5
12

Q28. Write a PHP program to get the absolute difference between n and 51. If n is greater than 51 return triple the absolute difference. Using switch
Sample Input:
53
30
51
Sample Output:
6
21
0

Q29. Write a PHP program to check if a given positive number is a multiple of 3 or a multiple of 7.
Sample Input
3
14
12
37

Sample Output:
3 True
14 True
12 True
37 False

Q30. Write a PHP program to check the largest number among three given integers.
Sample Input:
1,2,3
1,3,2
1,1,1
1,2,2
Sample Output:
3
3
1
2

Q31. Write a PHP program to check which number nearest to the value 100 among two given integers.
Return 0 if the two numbers are equal.
Sample Input:
78, 95
95, 95
99, 70
Sample Output:
95
0
99

 Q31. Write a PHP script to generate 10 random numbers within range 10 to 99.

Q32. Write a PHP program to print factorial of a number.

Example

Input: 6

Output: 720

Q33. Write a PHP program to reverse given number.

Input: 234

Output: 432

Q34. Write a PHP program to print the following pattern number.

```
1
12
123
1234
12345
```

Q35. $color = array('white', 'green', 'red")
Write a PHP script which will display the colors in the following way :

Output :

white

green

red

Q36. Write a PHP script that checks if a string contains another string.

Q37. Write a PHP script that removes the whitespaces from a string.
Sample string : 'The quick " " brown fox'
Expected Output : Thequick""brownfox

Q38.Write a PHP script to remove all characters from a string except a-z A-Z 0-9 or " ".
Sample string : abcde$ddfd @abcd)der]
Expected Result : abcdeddfd abcd der

Q39. Write a PHP script to add/subtract the number of days from a particular date. Using strtotime() and date() function only.

Q40. Write a PHP script to calculate the current age of a person.

Q41. Write a PHP script to create time slots for 30 minutes from 9 AM to 11 AM.