LA GRANDEE INTERNATIONAL COLLEGE

Simalchaur – 8, Pokhara

Assignment-Three

Web tech-II

Submitted By:

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Semester: Sixth semester

Roll No: 18

Submitted To:-

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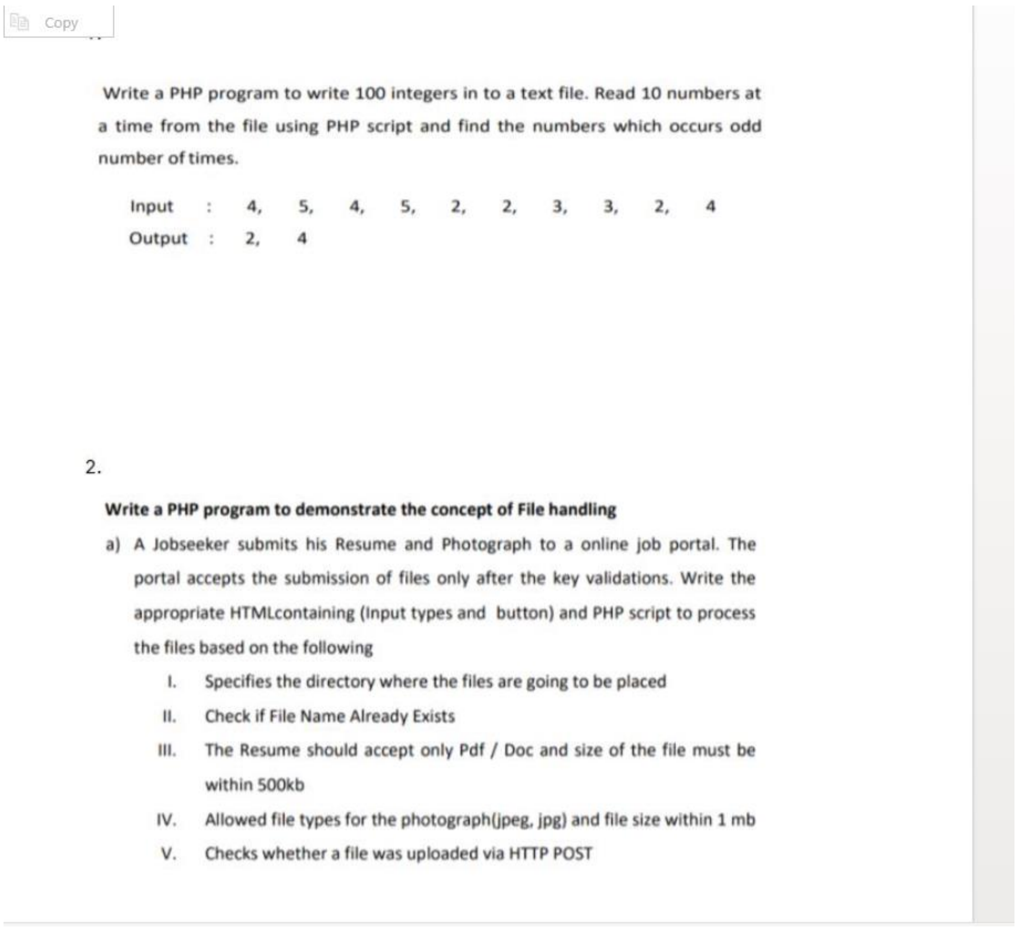
Date :- 15 May , 2025

QURSTION :-



Write a PHP program to write 100 integers in to a text file. Read 10 numbers at a time from the file using PHP script and find the numbers which occurs odd number of times.

```
Input   :   4,   5,   4,   5,   2,   2,   3,   3,   2,   4
Output  :   2,   4
```

2.

Write a PHP program to demonstrate the concept of File handling

a) A Jobseeker submits his Resume and Photograph to a online job portal. The portal accepts the submission of files only after the key validations. Write the appropriate HTMLcontaining (Input types and button) and PHP script to process the files based on the following

I. Specifies the directory where the files are going to be placed

II. Check if File Name Already Exists

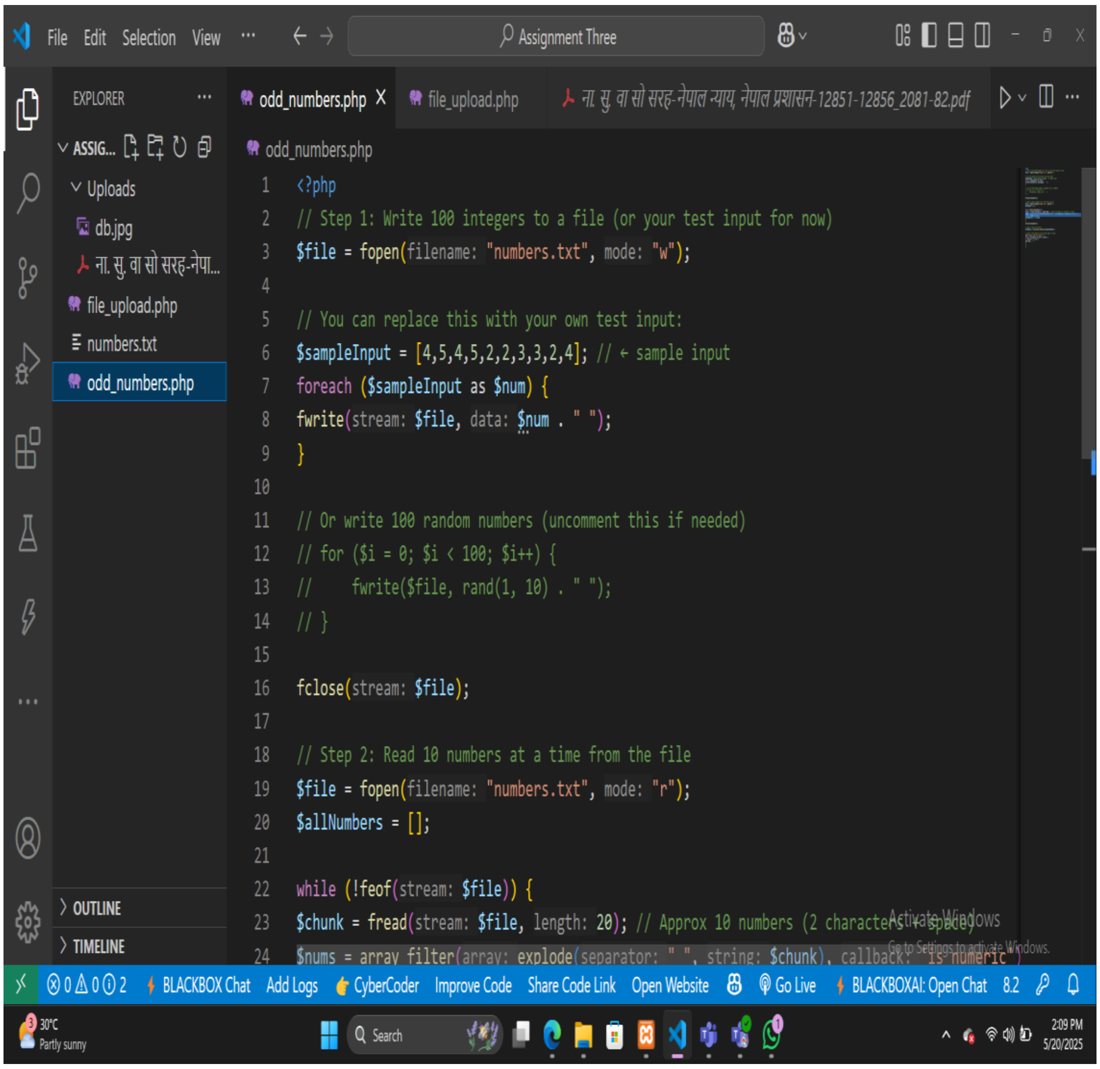
III. The Resume should accept only Pdf / Doc and size of the file must be within 500kb

IV. Allowed file types for the photograph(jpeg, jpg) and file size within 1 mb

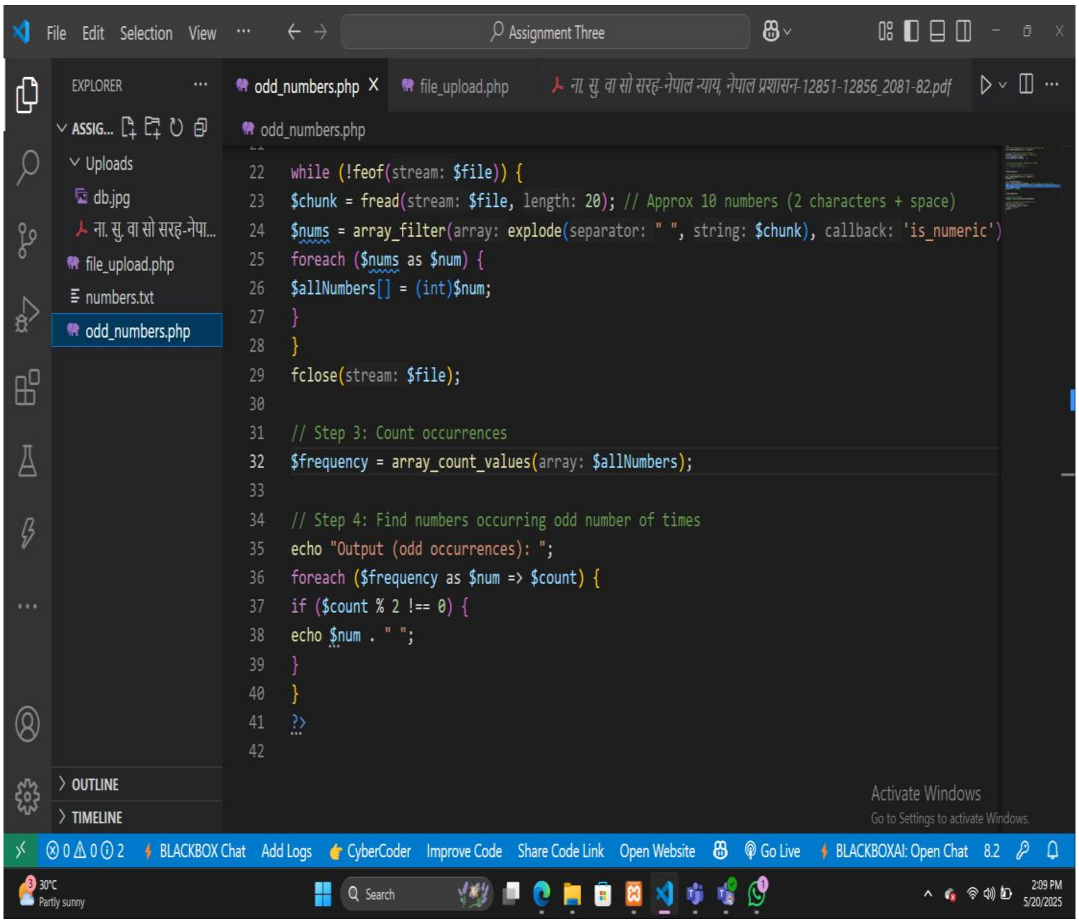
V. Checks whether a file was uploaded via HTTP POST

CODE :-

1) odd_numbers.php

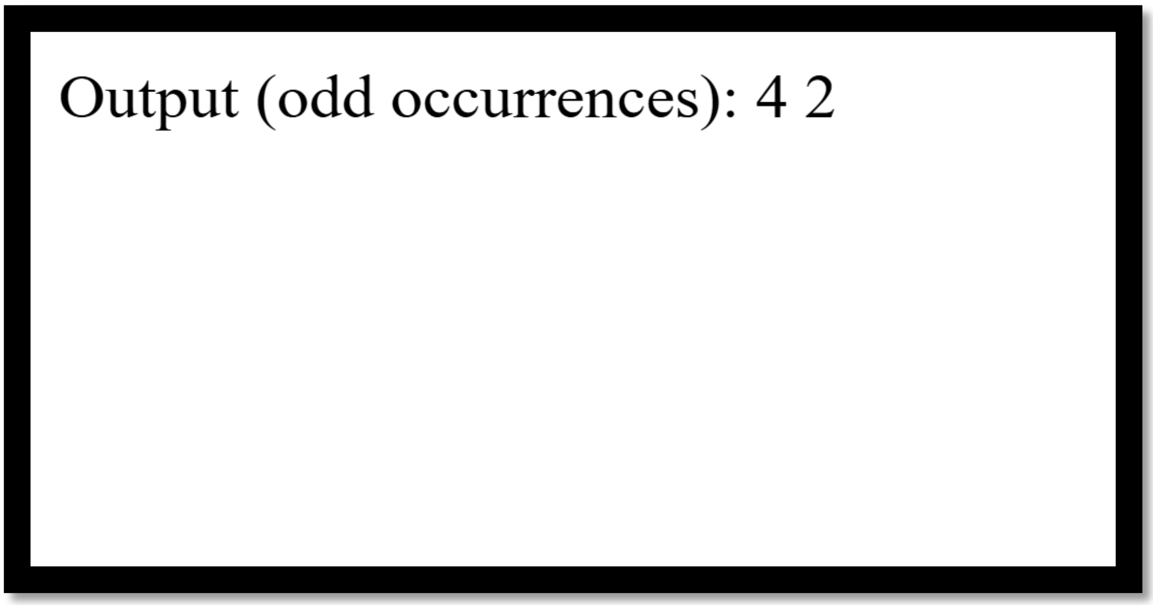


```php
<?php
// Step 1: Write 100 integers to a file (or your test input for now)
$file = fopen(filename: "numbers.txt", mode: "w");

// You can replace this with your own test input:
$sampleInput = [4,5,4,5,2,2,3,3,2,4]; // ← sample input
foreach ($sampleInput as $num) {
fwrite(stream: $file, data: $num . " ");
}

// Or write 100 random numbers (uncomment this if needed)
// for ($i = 0; $i < 100; $i++) {
//     fwrite($file, rand(1, 10) . " ");
// }

fclose(stream: $file);

// Step 2: Read 10 numbers at a time from the file
$file = fopen(filename: "numbers.txt", mode: "r");
$allNumbers = [];

while (!feof(stream: $file)) {
$chunk = fread(stream: $file, length: 20); // Approx 10 numbers (2 characters + space)
$nums = array_filter(array: explode(separator: " ", string: $chunk), callback: 'is_numeric')
```

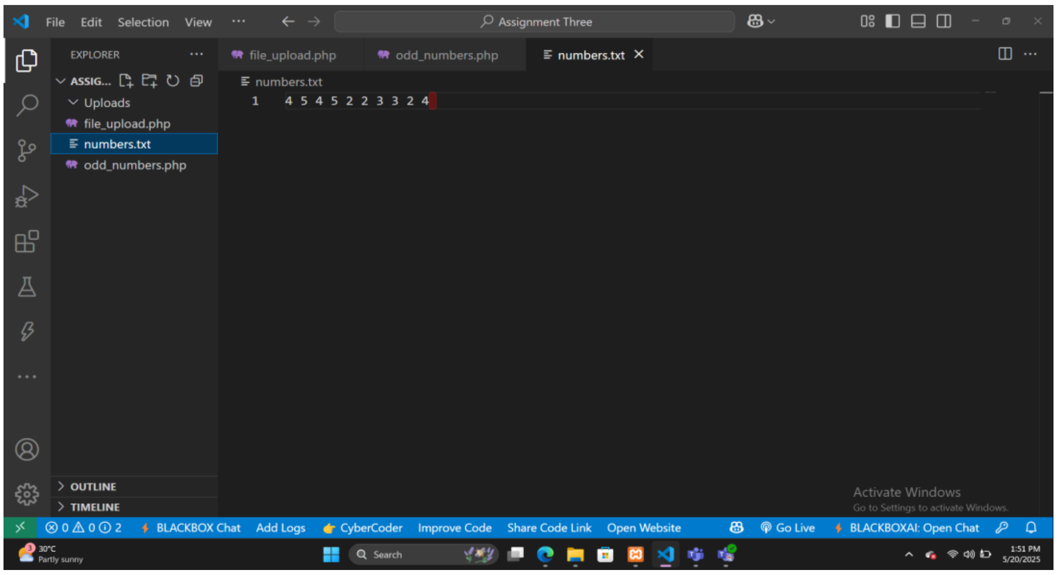


```php
while (!feof(stream: $file)) {
$chunk = fread(stream: $file, length: 20); // Approx 10 numbers (2 characters + space)
$nums = array_filter(array: explode(separator: " ", string: $chunk), callback: 'is_numeric')
foreach ($nums as $num) {
$allNumbers[] = (int)$num;
}
}
fclose(stream: $file);

// Step 3: Count occurrences
$frequency = array_count_values(array: $allNumbers);

// Step 4: Find numbers occurring odd number of times
echo "Output (odd occurrences): ";
foreach ($frequency as $num => $count) {
if ($count % 2 !== 0) {
echo $num . " ";
}
}
?>
```

OUTPUT :



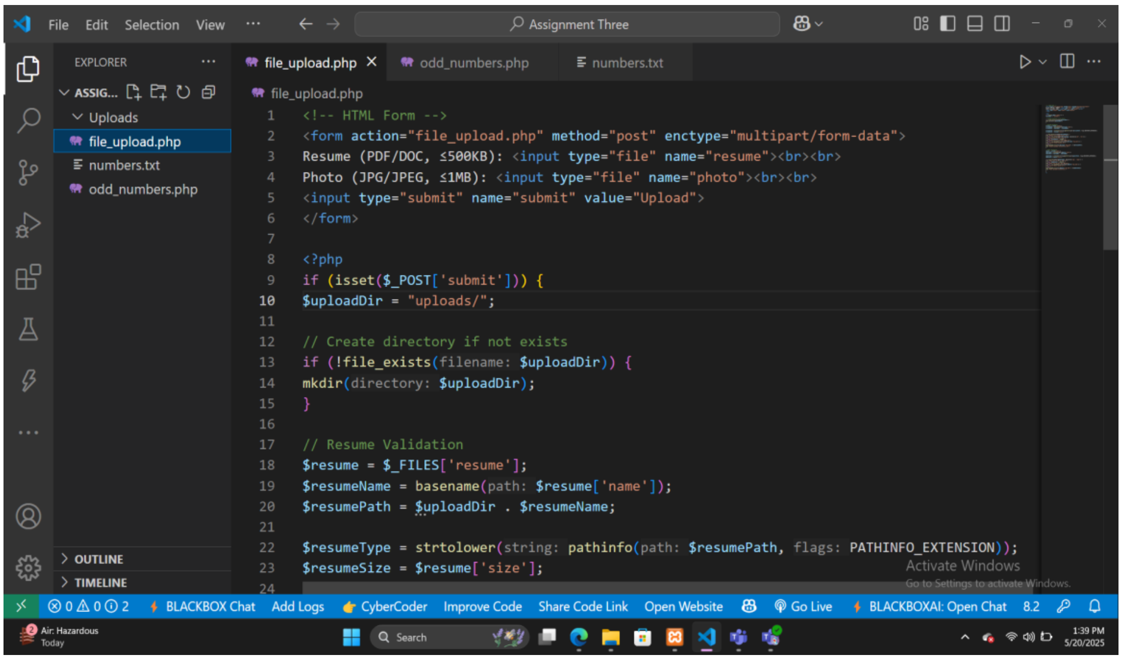
```
Output (odd occurrences): 4 2
```



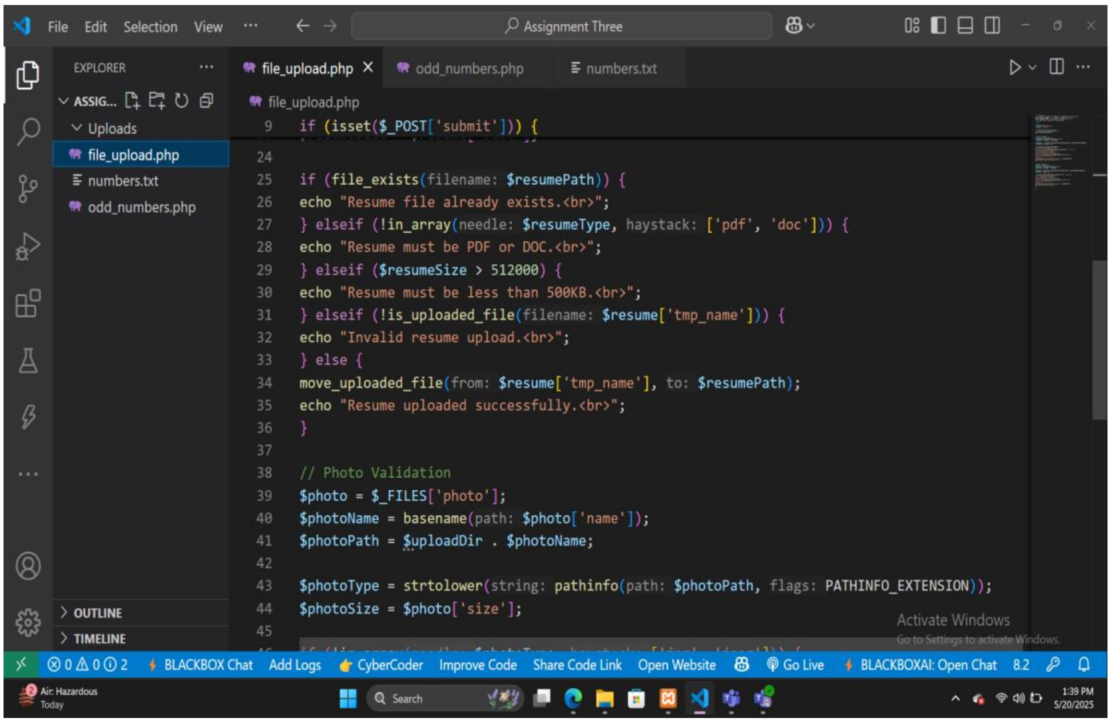
numbers.txt

```
4 5 4 5 2 2 3 3 2 4
```

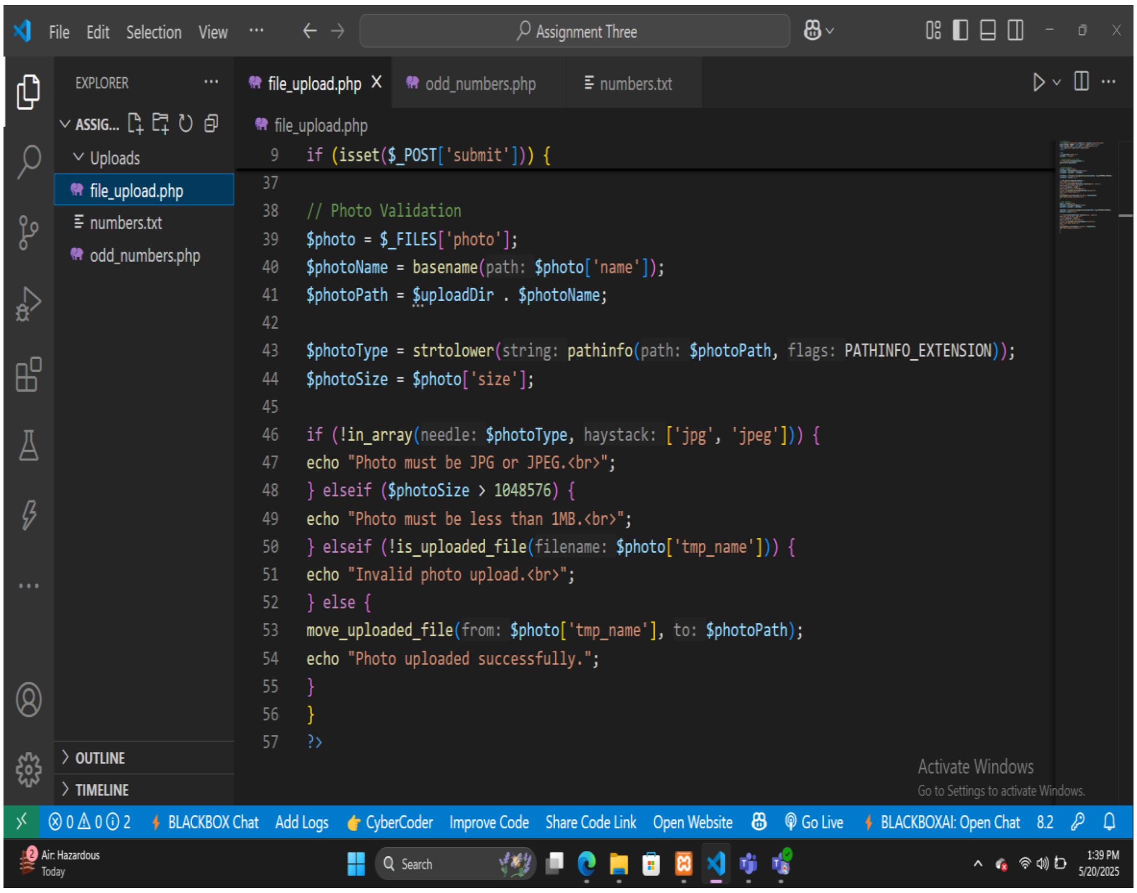
2) File_upload.php



```php
<!-- HTML Form -->
<form action="file_upload.php" method="post" enctype="multipart/form-data">
Resume (PDF/DOC, ≤500KB): <input type="file" name="resume"><br><br>
Photo (JPG/JPEG, ≤1MB): <input type="file" name="photo"><br><br>
<input type="submit" name="submit" value="Upload">
</form>

<?php
if (isset($_POST['submit'])) {
$uploadDir = "uploads/";

// Create directory if not exists
if (!file_exists(filename: $uploadDir)) {
mkdir(directory: $uploadDir);
}

// Resume Validation
$resume = $_FILES['resume'];
$resumeName = basename(path: $resume['name']);
$resumePath = $uploadDir . $resumeName;

$resumeType = strtolower(string: pathinfo(path: $resumePath, flags: PATHINFO_EXTENSION));
$resumeSize = $resume['size'];
```

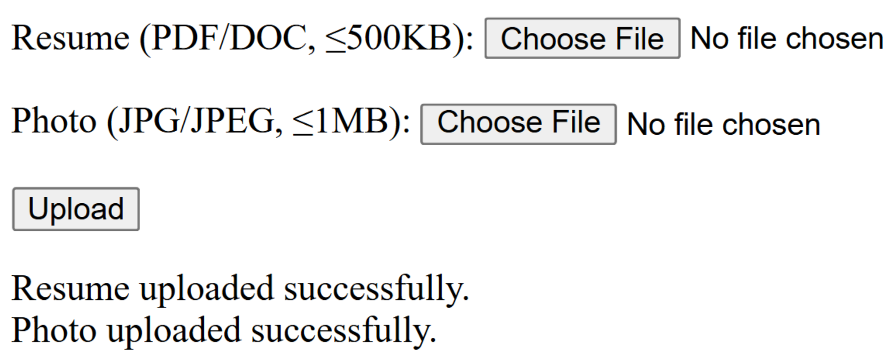


```php
if (isset($_POST['submit'])) {

if (file_exists(filename: $resumePath)) {
echo "Resume file already exists.<br>";
} elseif (!in_array(needle: $resumeType, haystack: ['pdf', 'doc'])) {
echo "Resume must be PDF or DOC.<br>";
} elseif ($resumeSize > 512000) {
echo "Resume must be less than 500KB.<br>";
} elseif (!is_uploaded_file(filename: $resume['tmp_name'])) {
echo "Invalid resume upload.<br>";
} else {
move_uploaded_file(from: $resume['tmp_name'], to: $resumePath);
echo "Resume uploaded successfully.<br>";
}

// Photo Validation
$photo = $_FILES['photo'];
$photoName = basename(path: $photo['name']);
$photoPath = $uploadDir . $photoName;

$photoType = strtolower(string: pathinfo(path: $photoPath, flags: PATHINFO_EXTENSION));
$photoSize = $photo['size'];
```



```php
if (isset($_POST['submit'])) {

// Photo Validation
$photo = $_FILES['photo'];
$photoName = basename(path: $photo['name']);
$photoPath = $uploadDir . $photoName;

$photoType = strtolower(string: pathinfo(path: $photoPath, flags: PATHINFO_EXTENSION));
$photoSize = $photo['size'];

if (!in_array(needle: $photoType, haystack: ['jpg', 'jpeg'])) {
echo "Photo must be JPG or JPEG.<br>";
} elseif ($photoSize > 1048576) {
echo "Photo must be less than 1MB.<br>";
} elseif (!is_uploaded_file(filename: $photo['tmp_name'])) {
echo "Invalid photo upload.<br>";
} else {
move_uploaded_file(from: $photo['tmp_name'], to: $photoPath);
echo "Photo uploaded successfully.";
}
}
?>
```

OUTPUT :-

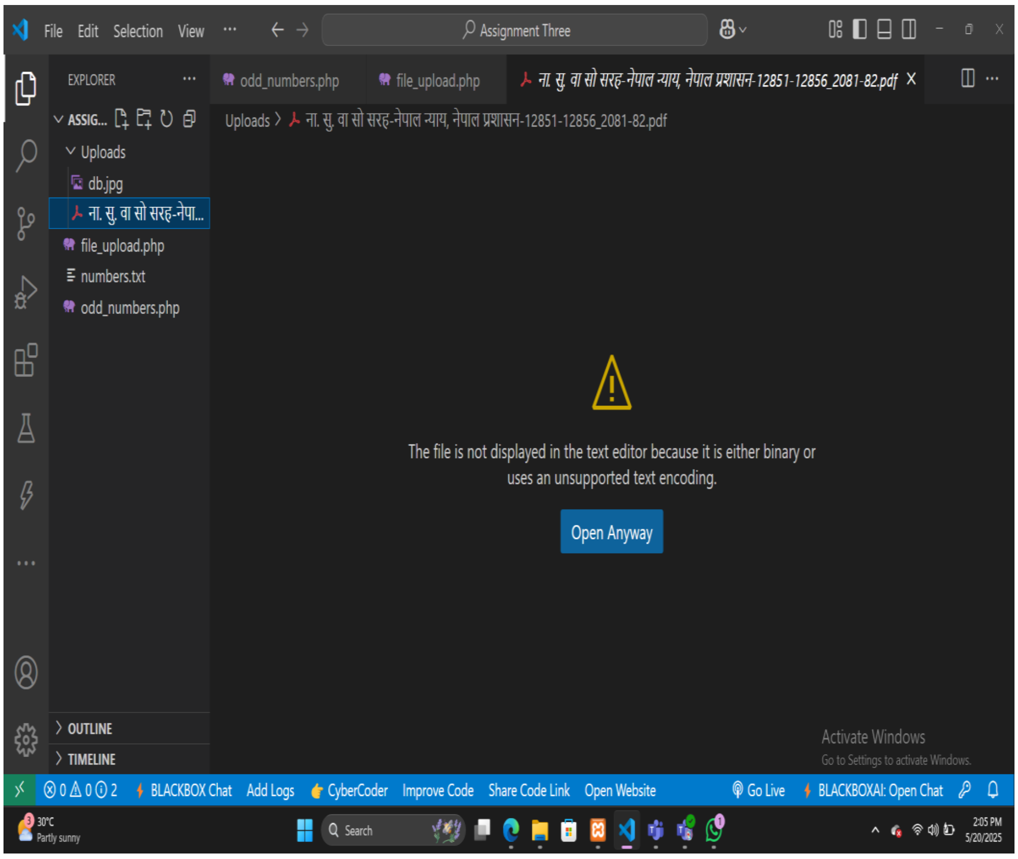


Resume (PDF/DOC, ≤500KB): Choose File No file chosen

Photo (JPG/JPEG, ≤1MB): Choose File No file chosen

Upload

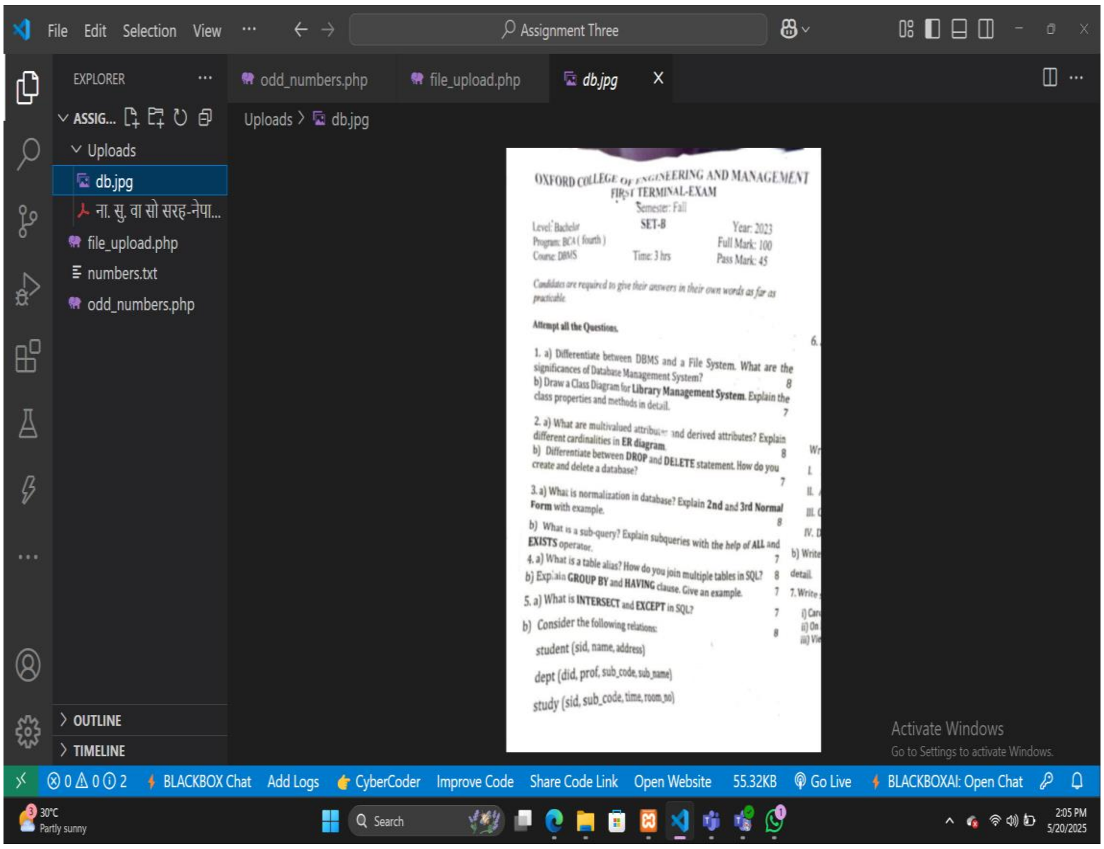
Resume uploaded successfully.
Photo uploaded successfully.



File Edit Selection View
Assignment Three
EXPLORER
odd_numbers.php
file_upload.php
ना. सु. वा सो सरह-नेपाल न्याय, नेपाल प्रशासन-12851-12856_2081-82.pdf
ASSIG...
Uploads
db.jpg
ना. सु. वा सो सरह-नेपा...
file_upload.php
numbers.txt
odd_numbers.php
Uploads › ना. सु. वा सो सरह-नेपाल न्याय, नेपाल प्रशासन-12851-12856_2081-82.pdf
OUTLINE
TIMELINE
BLACKBOX Chat Add Logs CyberCoder Improve Code Share Code Link Open Website
Go Live BLACKBOXAI: Open Chat
Activate Windows
Go to Settings to activate Windows.
30°C Partly sunny
Search
2:05 PM 5/20/2025

The file is not displayed in the text editor because it is either binary or uses an unsupported text encoding.

Open Anyway



OXFORD COLLEGE OF ENGINEERING AND MANAGEMENT
FIRST TERMINAL-EXAM
Semester: Fall

Level: Bachelor
SET-B
Year: 2023
Program: BCA (fourth)
Full Mark: 100
Course: DBMS
Time: 3 hrs
Pass Mark: 45

Candidates are required to give their answers in their own words as far as practicable.

Attempt all the Questions.

1. a) Differentiate between DBMS and a File System. What are the significances of Database Management System? 8
b) Draw a Class Diagram for **Library Management System**. Explain the class properties and methods in detail. 7

2. a) What are multivalued attributes and derived attributes? Explain different cardinalities in **ER diagram**. 8
b) Differentiate between **DROP** and **DELETE** statement. How do you create and delete a database? 7

3. a) What is normalization in database? Explain **2nd** and **3rd Normal Form** with example. 8
b) What is a sub-query? Explain subqueries with the help of **ALL** and **EXISTS** operator. 7

4. a) What is a table alias? How do you join multiple tables in SQL? 8
b) Explain **GROUP BY** and **HAVING** clause. Give an example. 7

5. a) What is **INTERSECT** and **EXCEPT** in SQL? 7
b) Consider the following relations: 8

student (sid, name, address)

dept (did, prof, sub_code, sub_name)

study (sid, sub_code, time, room_no)

Conclusion :-

For this assignment, I put integers to a text file, read them in fixed-size chunks, then identified which numbers repeated an odd number of times with PHP's file-handling methods. I have created a secure upload form that checks and saves a photo (JPG/JPEG) and resume (PDF/DOC) with size checks. I improved my capacity in form handling, data processing, file I/O, and server-side validation as a result.