

1. Write a PHP program to demonstrate the concept of Forms and File handling  
e.g Write a PHP program to write 20 integers in to a text file. Read 10 numbers at a time randomly from the file using PHP script and find the numbers which occurs odd number of times.

Sample Input : 4, 5, 4, 5, 2, 2, 3, 3, 2, 4

Output : 2, 4

2. Design the following page for Fruit survey. Upon submission, display the details entered by the user in the format as given in the response page using PHP.

**The World of Fruit**

**Fruit Survey**

Name

Address

Email

How many pieces of fruit do you eat per day?

☐ 0  
☐ 1  
☐ 2  
☐ More than 2

My favourite fruit

Apple  
 Banana  
 Plum  
 Pomegranate

Would you like a brochure? ☐

### Response page

Thank You For your Survey	
<b>Name:</b>	Mr. George Bailey
<b>Email Id :</b>	abc@gmail.com
<b>No. of fruits per day:</b>	2
<b>Favourite fruit:</b>	Banana

3. Create the table mobile\_details and insert some records into that (use mysql commands). Develop a PHP program to display the records whose mobile number was ended with 567. Display those records in a table format.

Mobile\_details

Field Name	Data type	Constraints
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Mobinum	Int(12)	Unique
Calldate	Date	Not null
Amt	Decimal	Not null

Create a HTML page to populate mobinum from table (use '**select**' – input type). Write a **PHP program** to delete the record for the selected '**mobinum**'.

#### 4. Nodejs

- i) Design an application using node.js and mongodb to perform the following operations in a student collection with name, age, DOB and year of admission.
- ii) Insert multiple records into the collection.
- iii) Sort all documents in the student collection
- iv) Update the document of student with name='Kevin' to age=25