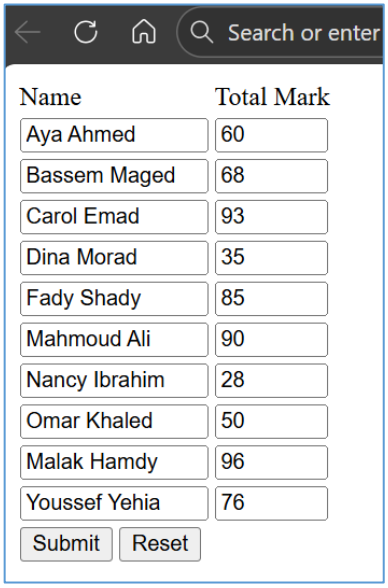
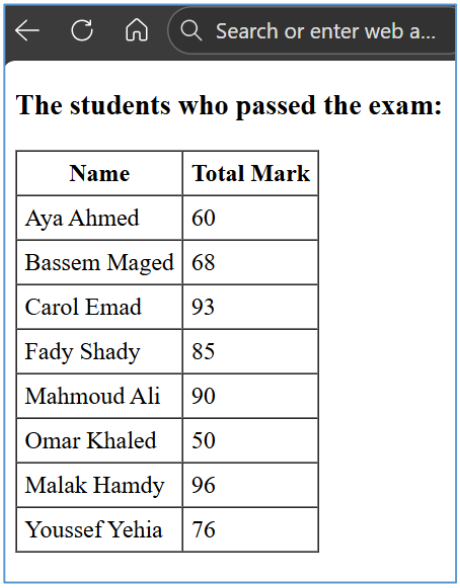
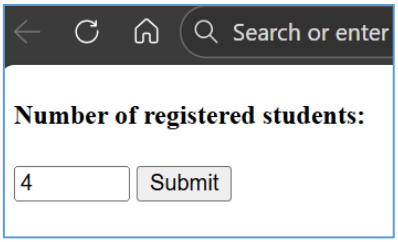
ASSIGNMENT (2)

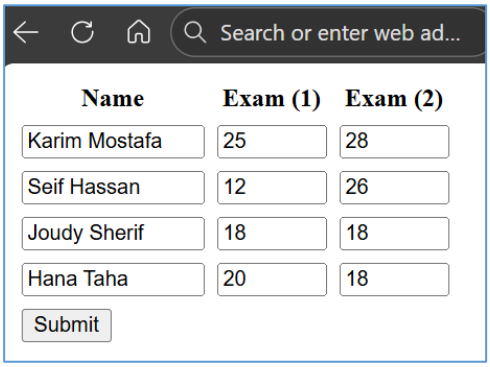
1. Write a program that asks the class teacher to enter the names of 10 students along with their total marks. The program then filters and prints only the students who passed the exam (i.e. whose marks are above than or equal to 50).

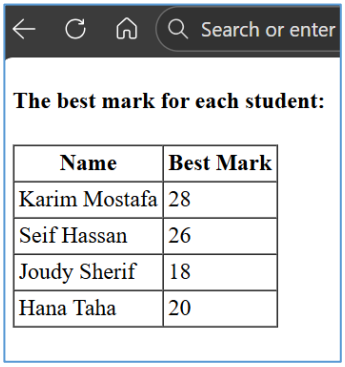




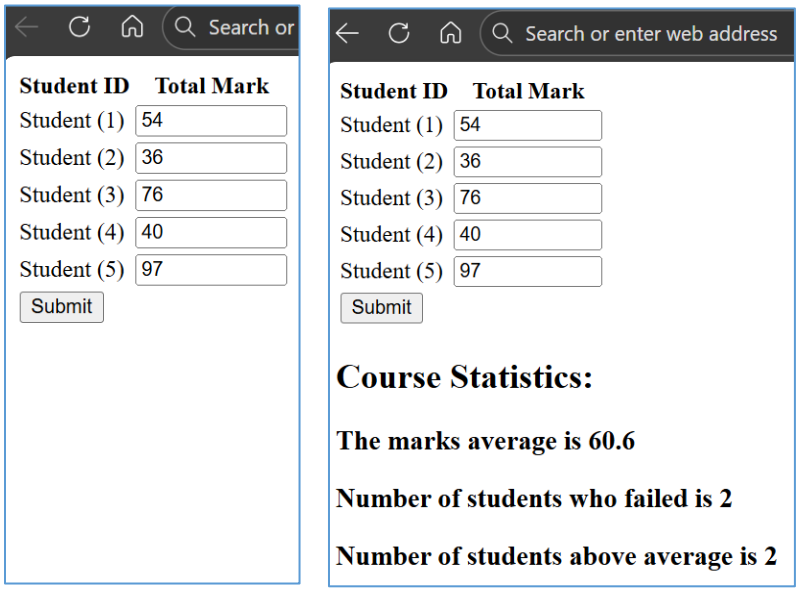
2. Write a program that first asks a teacher to enter the number of students registered at a course. Then, the teacher enters the names of these students along with their marks obtained at two exams. The program prints the best mark (i.e. higher mark) obtained by each student.



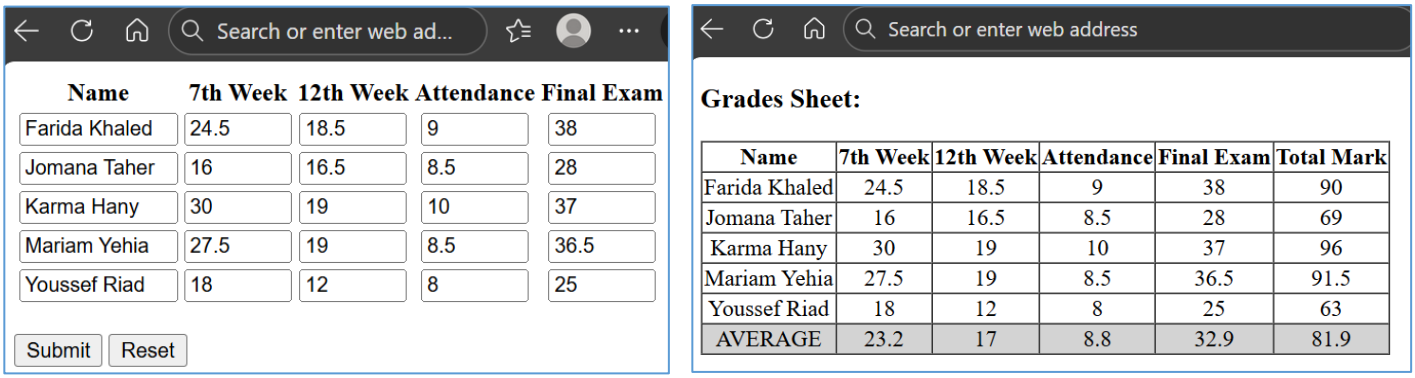




3. Write a program that defines an array which represents the students' marks. The user then inputs their marks, and at the end the program should print the average of these marks. The program also counts and prints the number of students whose marks are above average, as well as the number of students who failed. Show the output on the same webpage, not on another page. *Tip: use the **isset** function, and other array functions such as **array_sum**.*

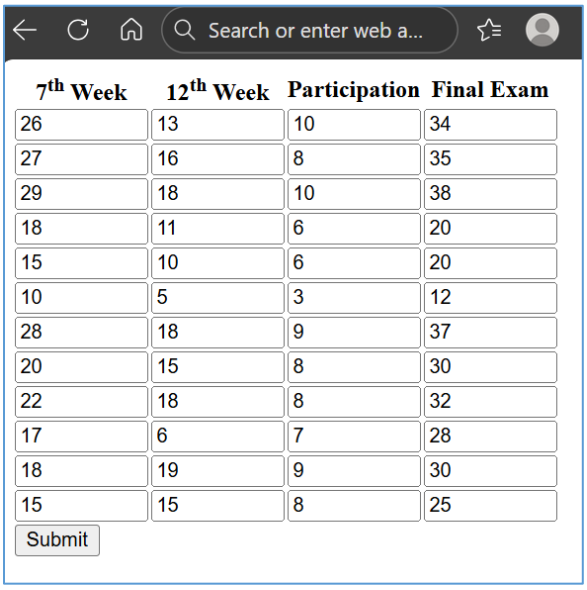


4. Write a program that asks the user to enter names of 5 students registered in a course, along with their marks of the 7th week exam, the 12th week exam, the attendance, and the final exam. The program calculates the total mark of each student and calculates the average of each exam, as shown:

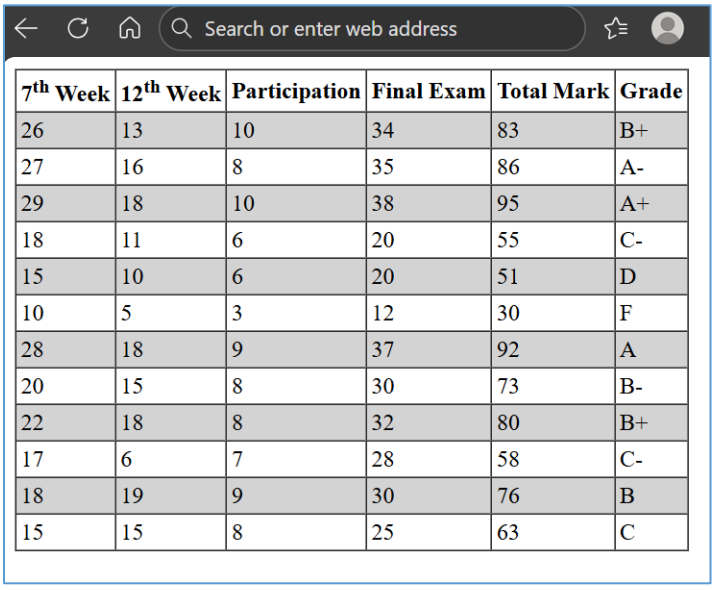


5. Twelve students are enrolled in the programming course, in which the user enters their marks of the 7th week exam, the 12th week exam, participation, and the final exam. Write a program that calculates and prints the total mark of the students (out of 100) as well as the corresponding letter grade based on the shown table:

95-100	90-94.9	85-89.9	80-84.9	75-79.9	70-74.9	65-69.9	60-64.9	55-59.9	50-54.9	0-49.9
A+	A	A-	B+	B	B-	C+	C	C-	D	F

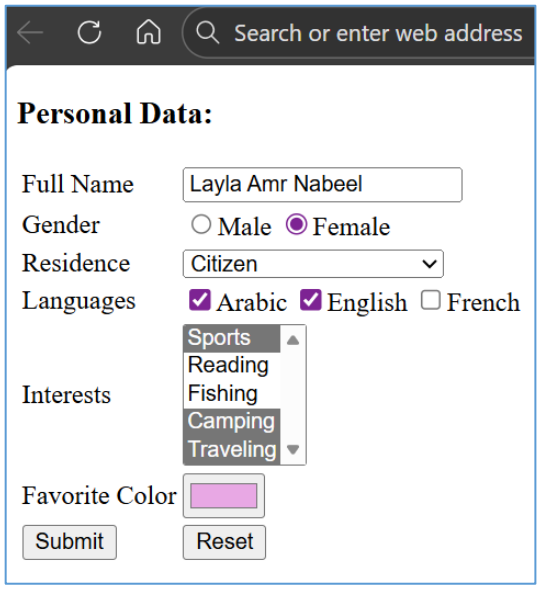


7th Week	12th Week	Participation	Final Exam
26	13	10	34
27	16	8	35
29	18	10	38
18	11	6	20
15	10	6	20
10	5	3	12
28	18	9	37
20	15	8	30
22	18	8	32
17	6	7	28
18	19	9	30
15	15	8	25

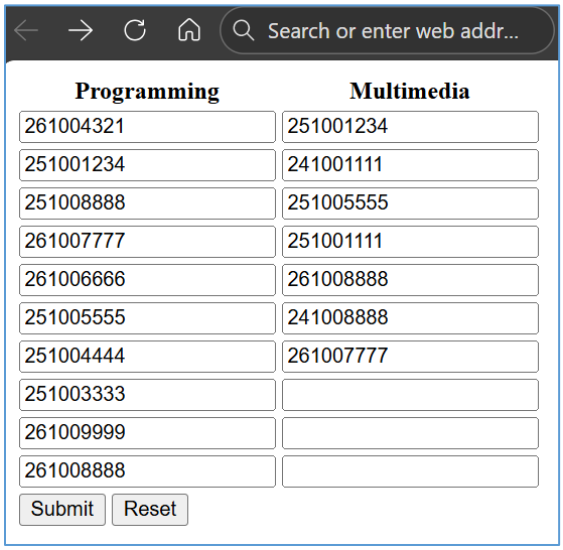


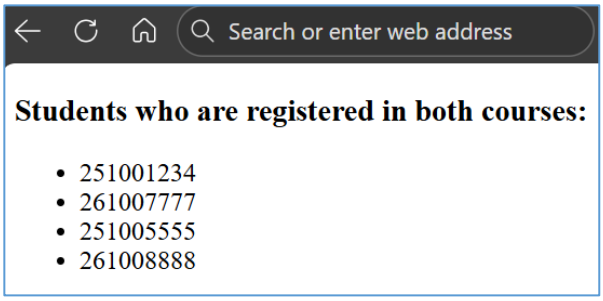
7th Week	12th Week	Participation	Final Exam	Total Mark	Grade
26	13	10	34	83	B+
27	16	8	35	86	A-
29	18	10	38	95	A+
18	11	6	20	55	C-
15	10	6	20	51	D
10	5	3	12	30	F
28	18	9	37	92	A
20	15	8	30	73	B-
22	18	8	32	80	B+
17	6	7	28	58	C-
18	19	9	30	76	B
15	15	8	25	63	C

6. Design a signup form that asks the user to submit their personal data. Then, the program displays the profile page as the template shown below. Note: the user picks the background color to customize the profile page template.

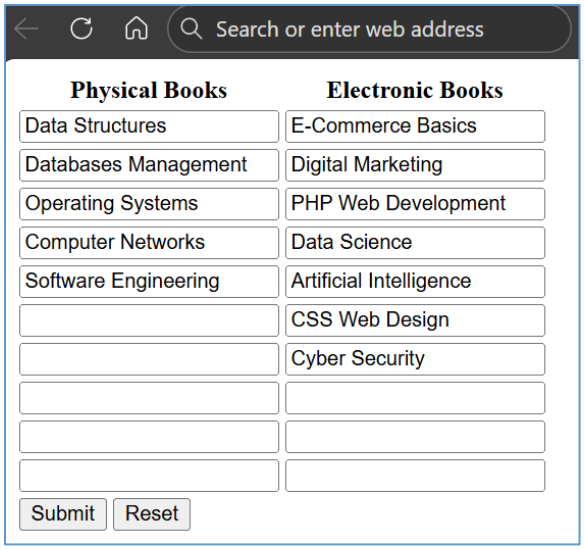


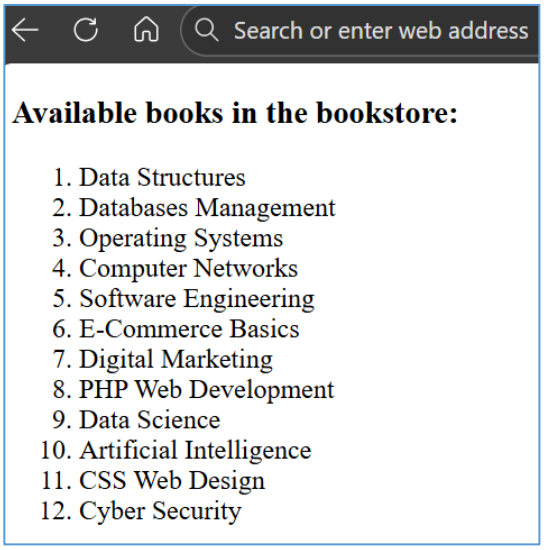
7. Write a program that asks the user to enter the IDs of the students registered in each of two different courses: Programming and Multimedia. The program prints out the students who are registered at both courses (i.e. intersection between the two arrays).





8. An online bookstore keeps separate lists for physical books and electronic books. The system creates one combined list to display all available books to customers (i.e. merge the two arrays and filter/remove the empty values).





9. An online learning platform stores the shown names below of students registered at a course in one array. A second array, which is entered by ticking the checkboxes, contains the names of students who have already submitted their final project. The program should determine which students have not submitted their final project yet (i.e. the difference between the two arrays).