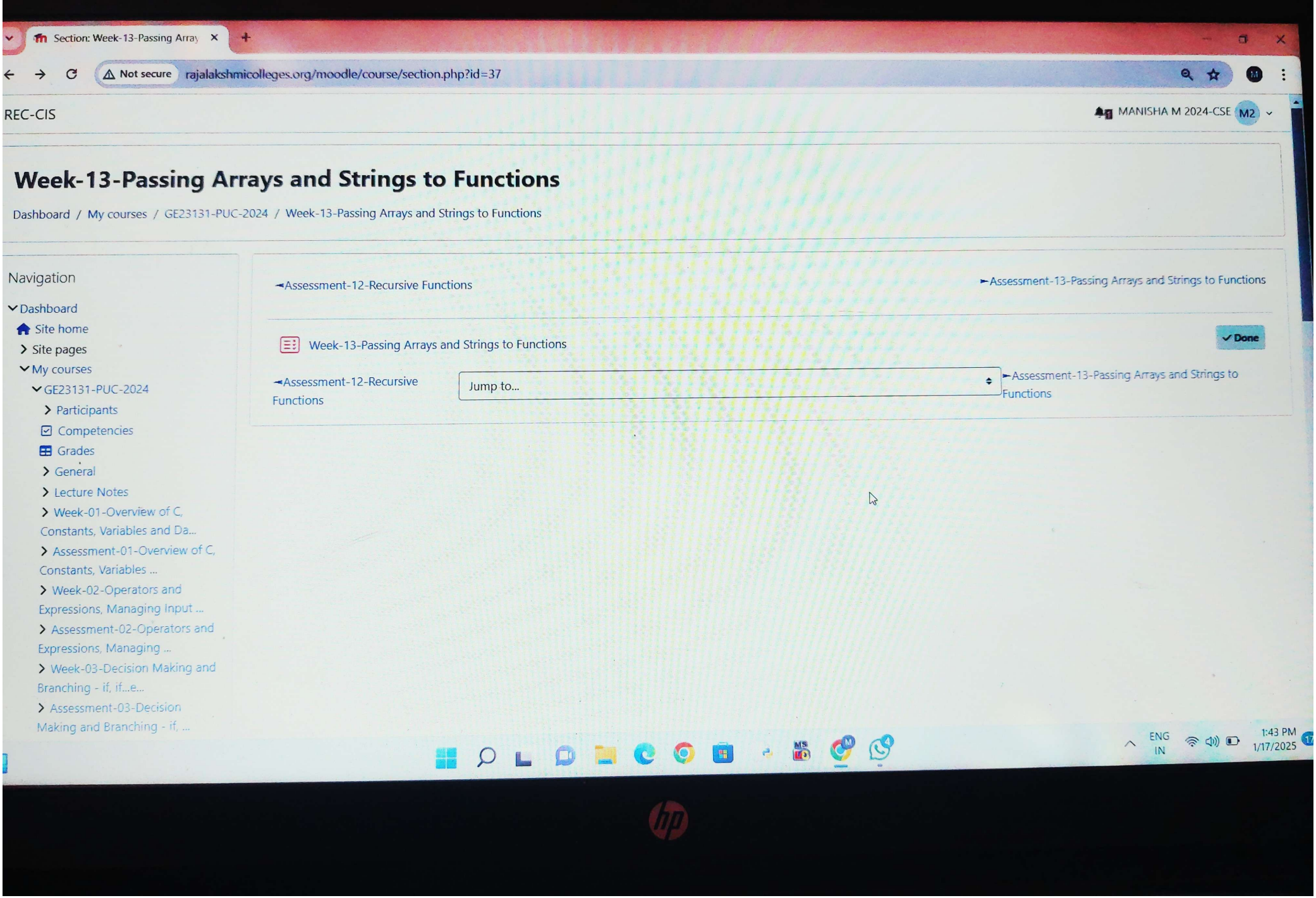

Attempts allowed: 4

This quiz has been configured so that students may only attempt it using the Safe Exam Browser.

Time limit: 1 hour 30 mins

Grading method: Highest grade

Your attempts

Attempt 1

Status	Finished
Started	Friday, 17 January 2025, 1:36 AM
Completed	Friday, 17 January 2025, 1:45 AM
Duration	8 mins 57 secs

Review

The Safe Exam Browser keys could not be validated. Check that you're using Safe Exam Browser with the correct configuration file.

Launch Safe Exam Browser | Download configuration

Back to the course

Reset answer

```c
/*
 * Complete the 'balancedSum' function below.
 *
 * The function is expected to return an INTEGER.
 * The function accepts INTEGER_ARRAY arr as parameter.
 */

int balancedSum(int arr_count, int* arr)
{
    int totsum=0;
    for(int i=0;i<arr_count;i++)
    {
        totsum+=arr[i];

    }
    int leftsum=0;
    for(int i=0;i<arr_count;i++)
    {
        int rightsum=totsum-leftsum-arr[i];
        if(leftsum==rightsum)
        {
            return i;
        }
        leftsum+=arr[i];
    }
    return 1;
}

```

	Test	Expected	Got	
✓	int arr[] = {1,2,3,3}; printf("%d", balancedSum(4, arr))	2	2	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

Reset answer

```c
/*
 * Complete the 'arraySum' function below.
 *
 * The function is expected to return an INTEGER.
 * The function accepts INTEGER_ARRAY numbers as parameter.
 */

int arraySum(int numbers_count, int *numbers)
{
  int sum=0;
  for(int i=0;i<numbers_count;i++)
  {
      sum=sum+numbers[i];
  }
  return sum;
}
```

	Test	Expected	Got	
✓	`int arr[] = {1,2,3,4,5};` `printf("%d", arraySum(5, arr))`	15	15	✓

Passed all tests! ✓

Reset answer

```c
/*
 * Complete the 'minDiff' function below.
 *
 * The function is expected to return an INTEGER.
 * The function accepts INTEGER_ARRAY arr as parameter.
 */
#include<stdlib.h>
int compare(const void *a,const void *b)
{
    return (*(int*)a-*(int*)b);
}
int minDiff(int arr_count, int* arr)
{
    qsort(arr,arr_count,sizeof(int),compare);
    int totaldiff=0;
    for(int i=1;i<arr_count;i++)
    {
        totaldiff+=abs(arr[i]-arr[i-1]);
    }
    return totaldiff;
}
```

	Test	Expected	Got	
✓	`int arr[] = {5, 1, 3, 7, 3};` `printf("%d", minDiff(5, arr))`	6	6	✓

Passed all tests! ✓

Finish review