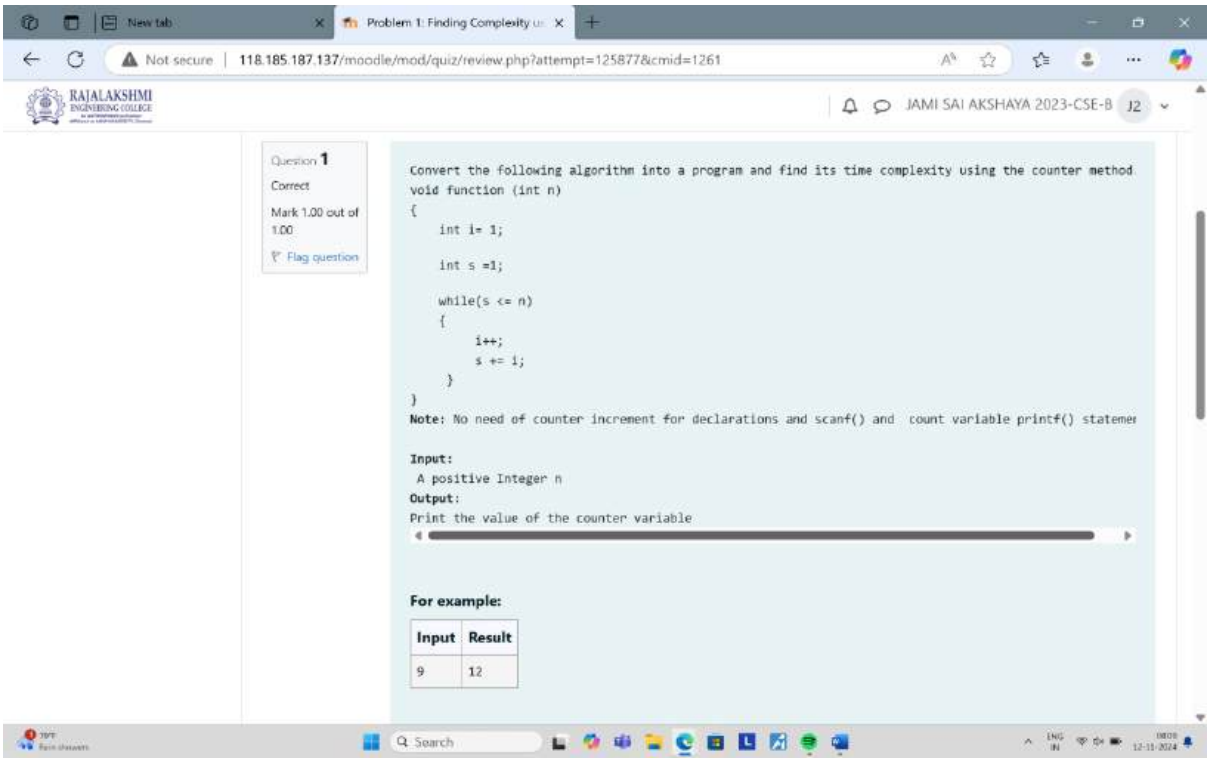
MOODLE PROGRAMS (DAA)

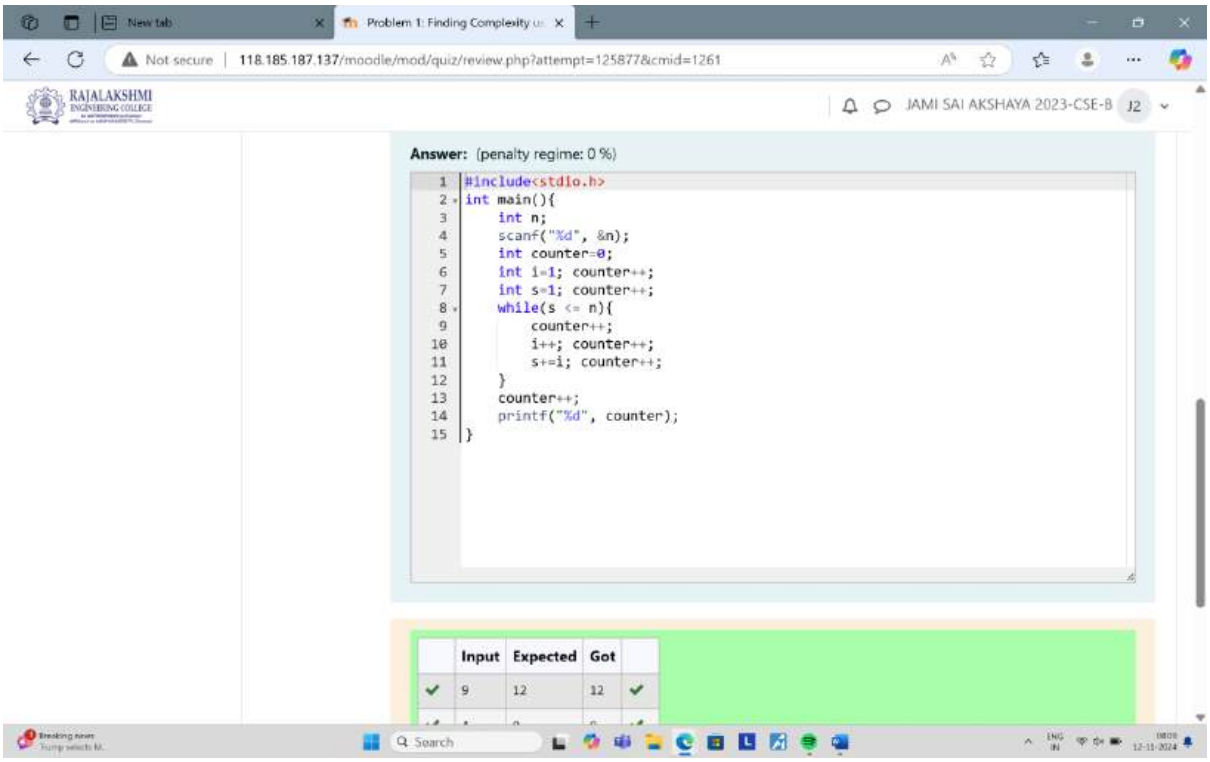
-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

1.



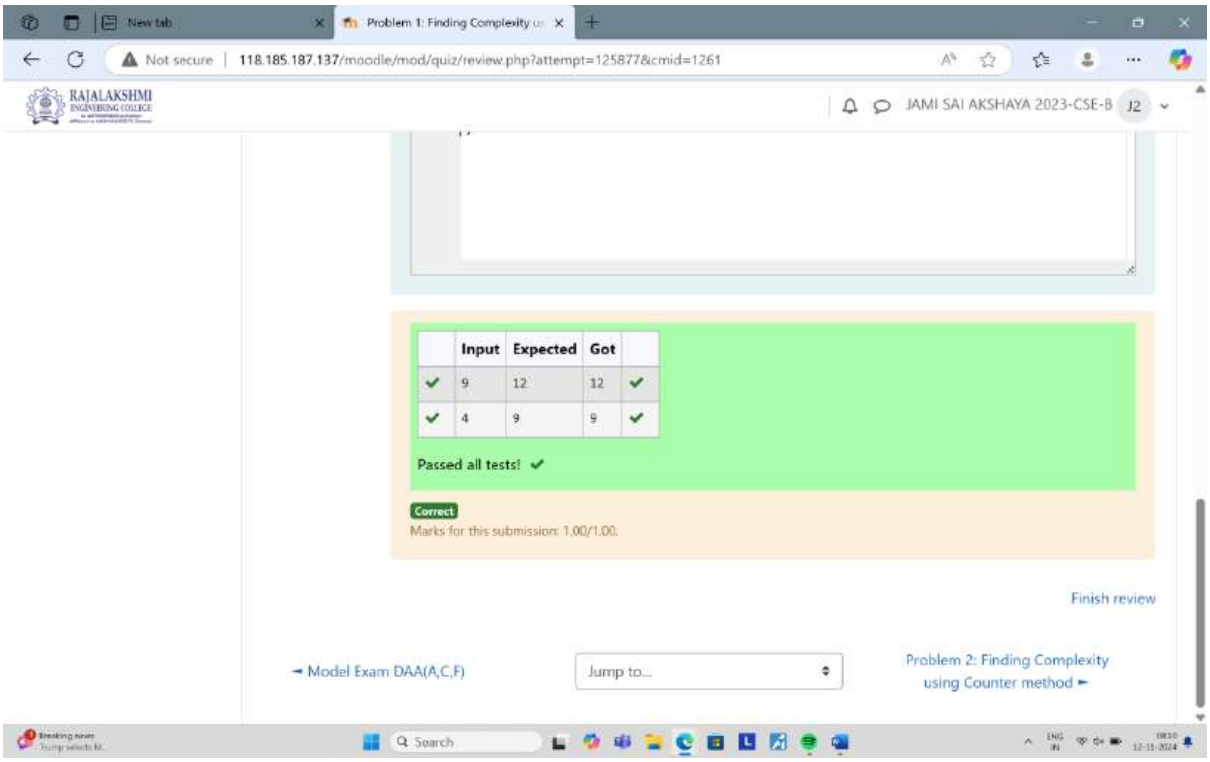
MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

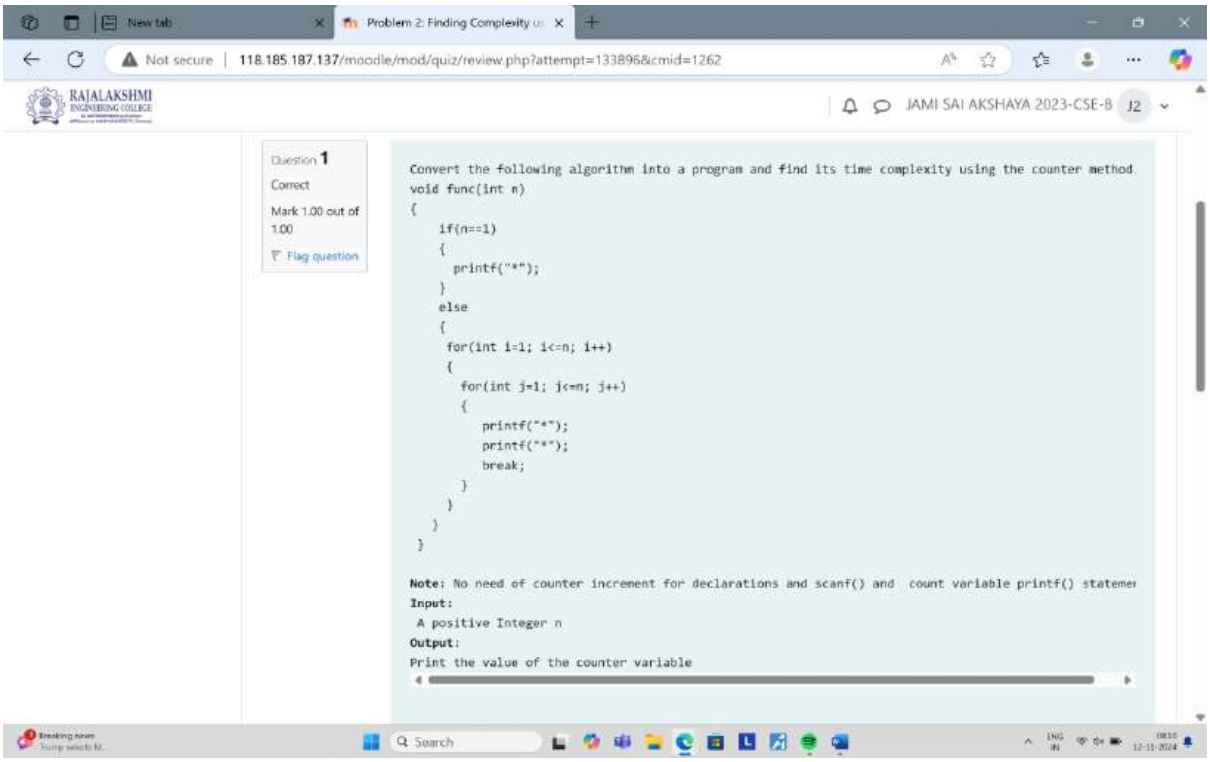
-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



2.

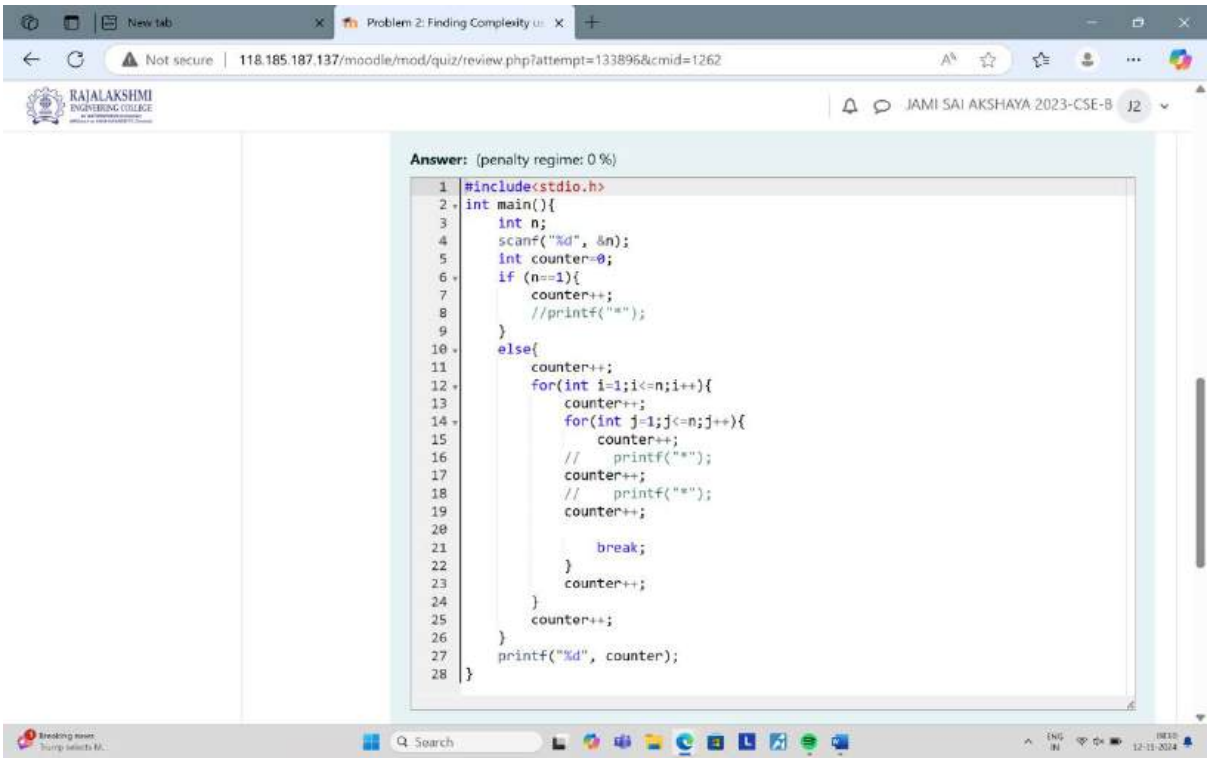
MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



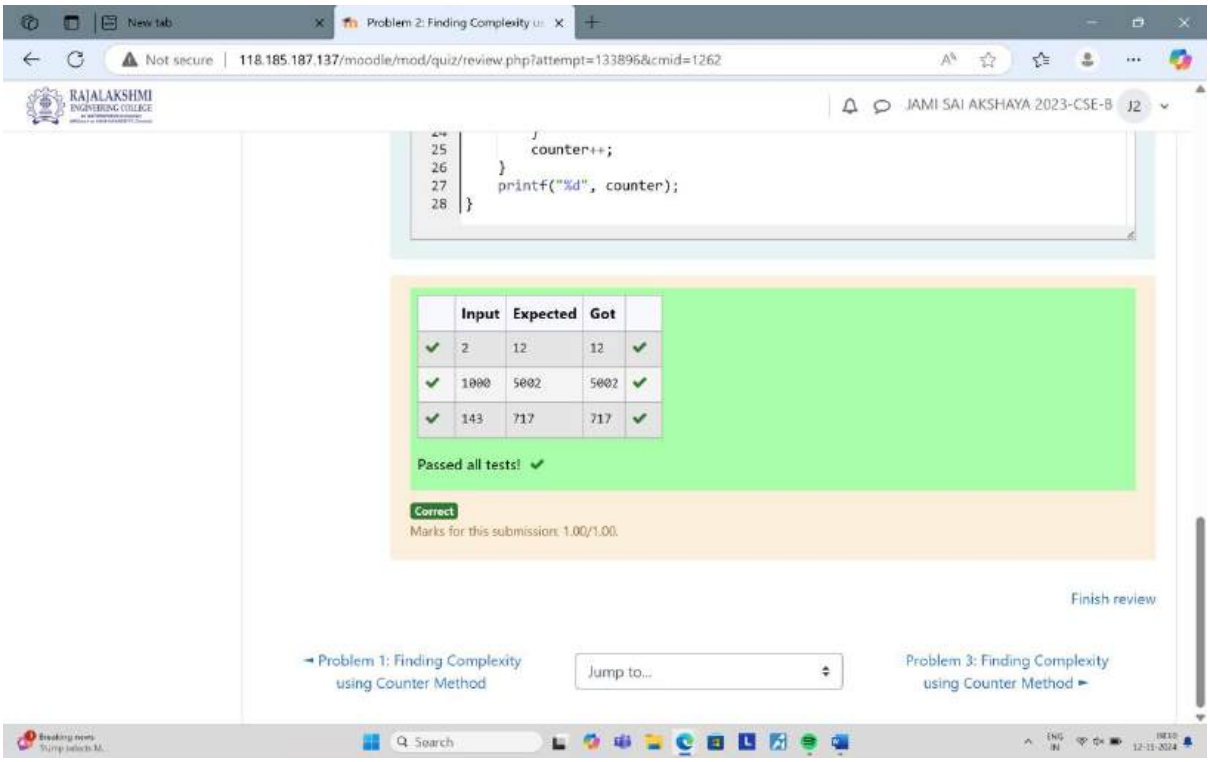
MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



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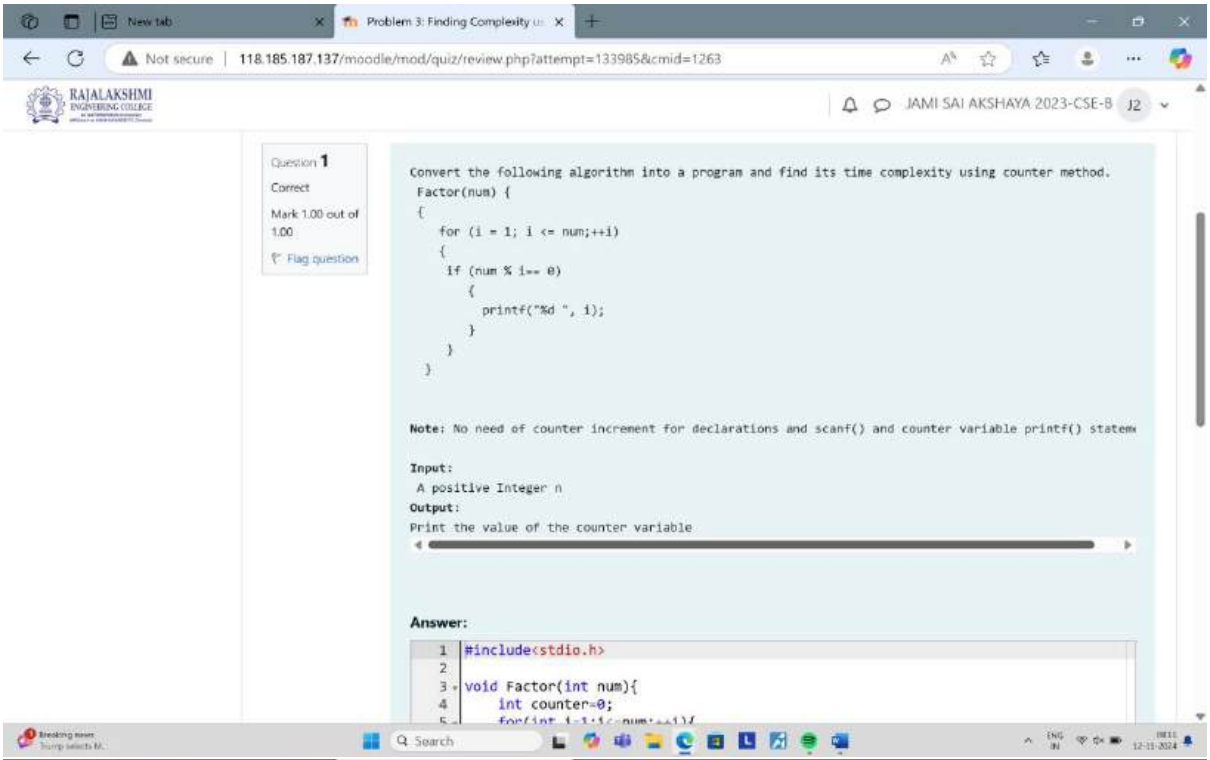
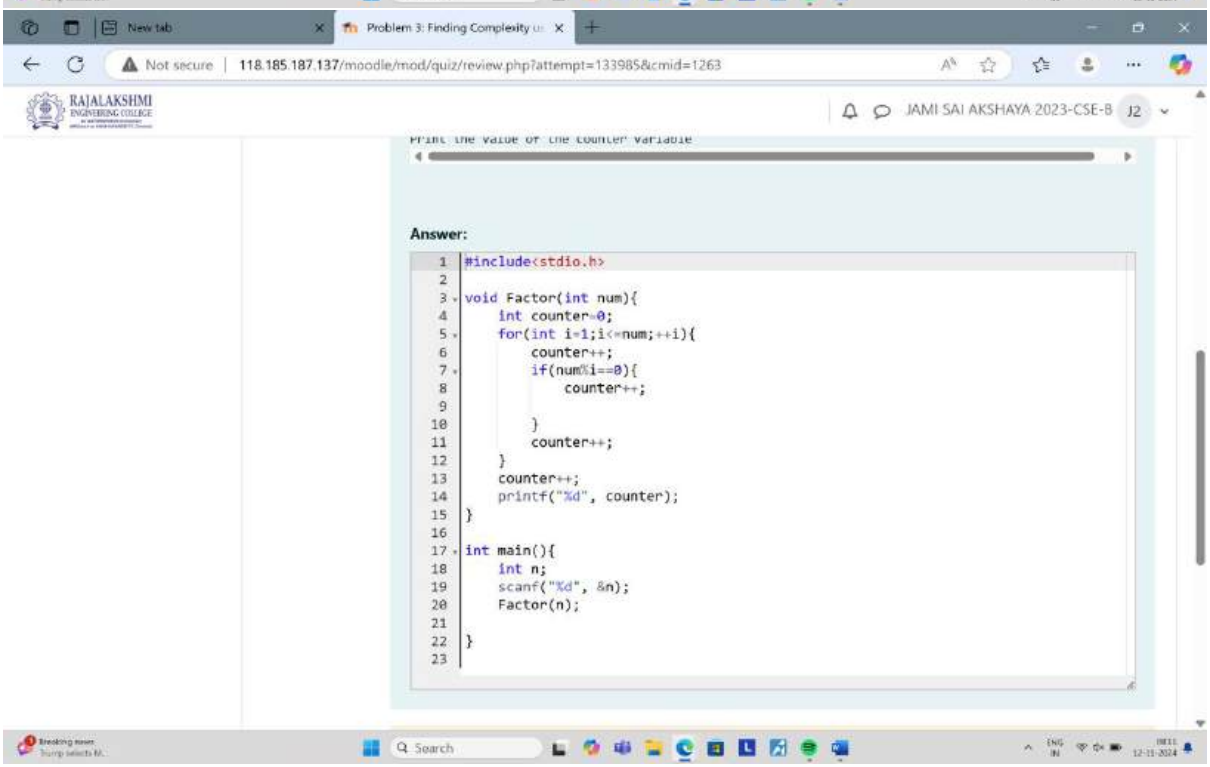
MOODLE PROGRAMS (DAA)

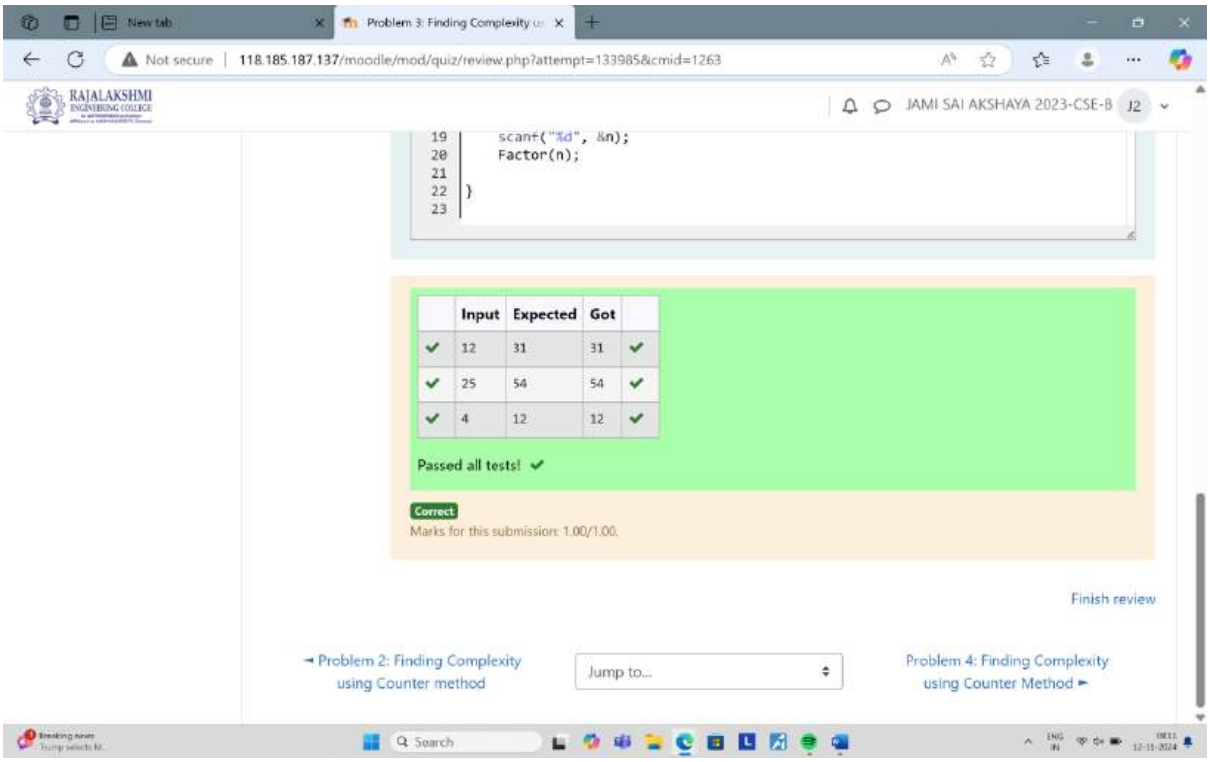
-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "





MOODLE PROGRAMS (DAA)

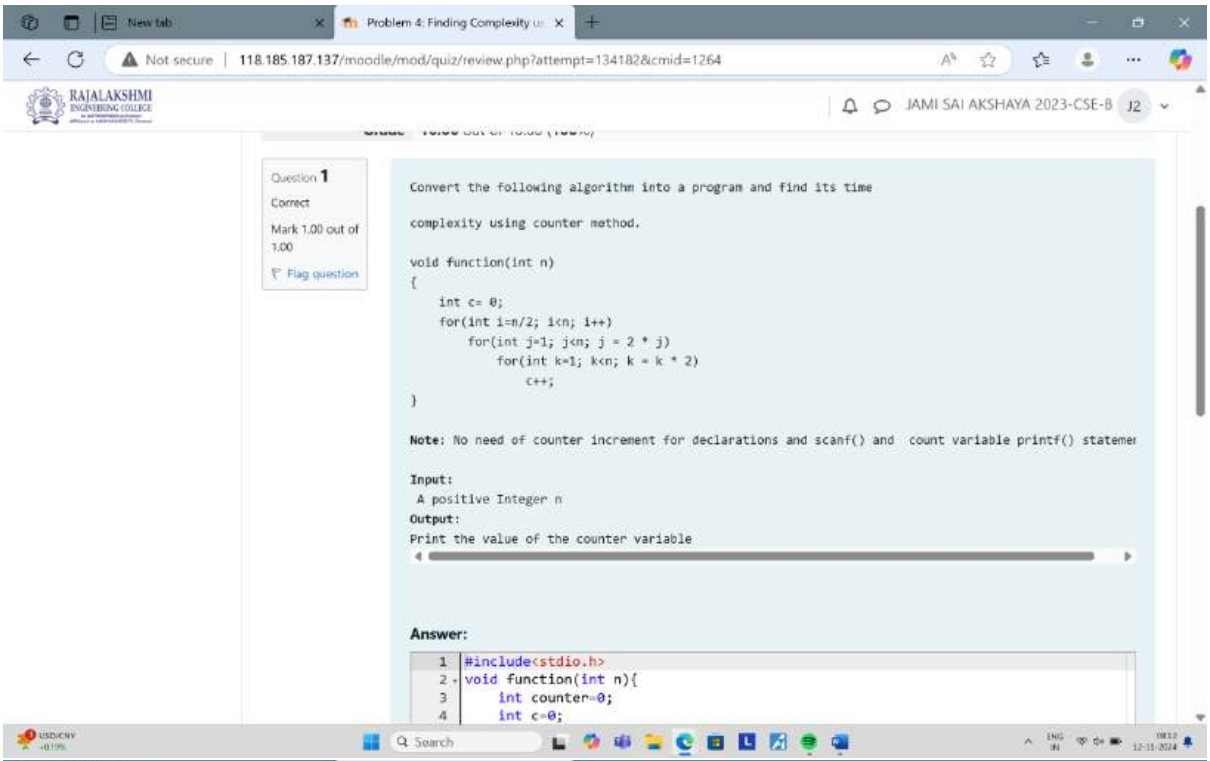
-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



4.

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



Problem 4: Finding Complexity

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Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Convert the following algorithm into a program and find its time

complexity using counter method.

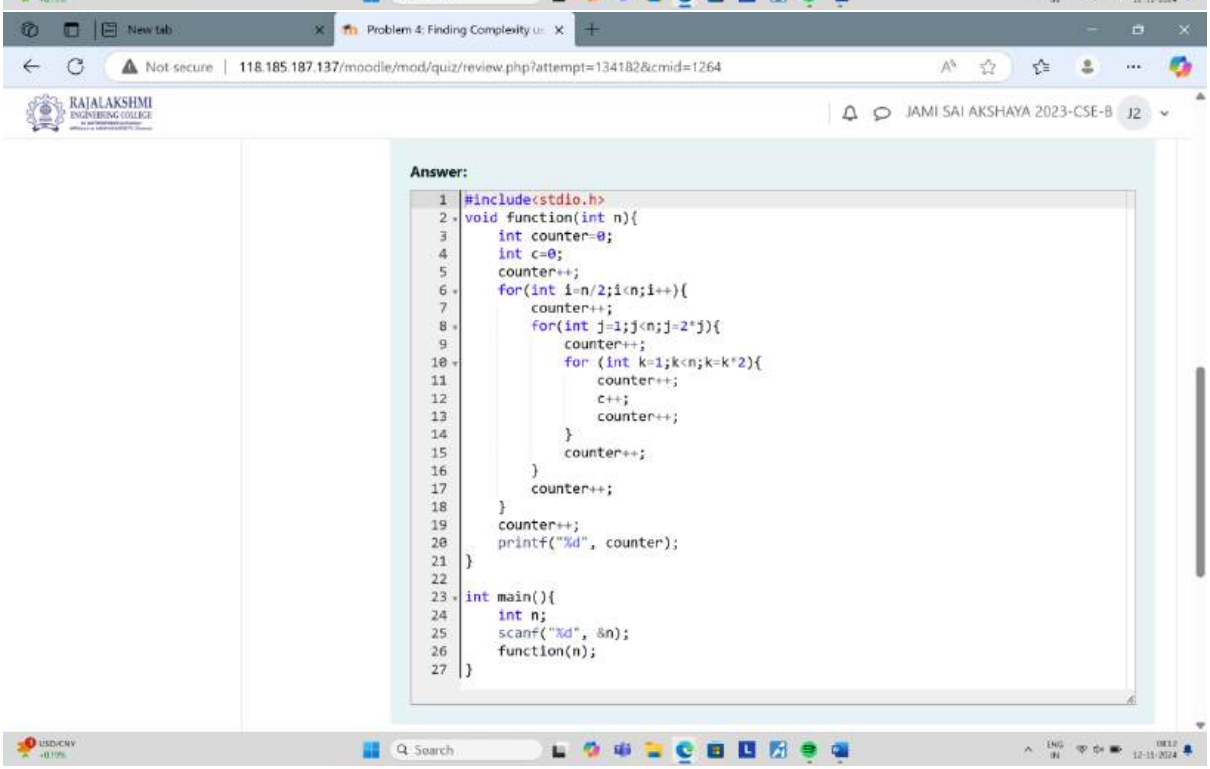
```
void function(int n)
{
    int c= 0;
    for(int i=n/2; i<n; i++)
        for(int j=1; j<n; j = 2 * j)
            for(int k=1; k<n; k = k * 2)
                c++;
}
```

Note: No need of counter increment for declarations and scanf() and count variable printf() statemer

Input:
A positive Integer n
Output:
Print the value of the counter variable

Answer:

```
#include<stdio.h>
void function(int n){
    int counter=0;
    int c=0;
```



Problem 4: Finding Complexity

Not secure | 118.185.187.137/moodle/mod/quiz/review.php?attempt=134182&cmid=1264

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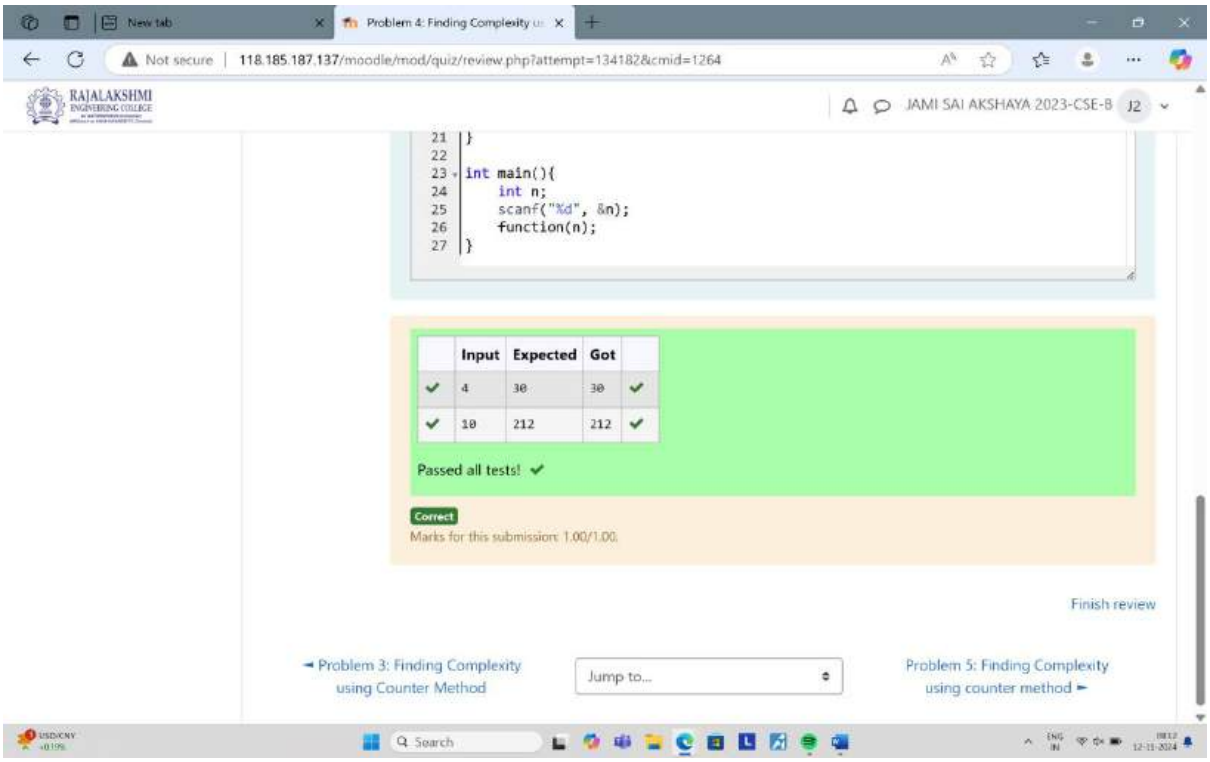
Answer:

```
#include<stdio.h>
void function(int n){
    int counter=0;
    int c=0;
    counter++;
    for(int i=n/2;i<n;i++){
        counter++;
        for(int j=1;j<n;j=2*j){
            counter++;
            for (int k=1;k<n;k=k*2){
                counter++;
                c++;
                counter++;
            }
            counter++;
        }
        counter++;
    }
    counter++;
    printf("%d", counter);
}

int main(){
    int n;
    scanf("%d", &n);
    function(n);
}
```

MOODLE PROGRAMS (DAA)

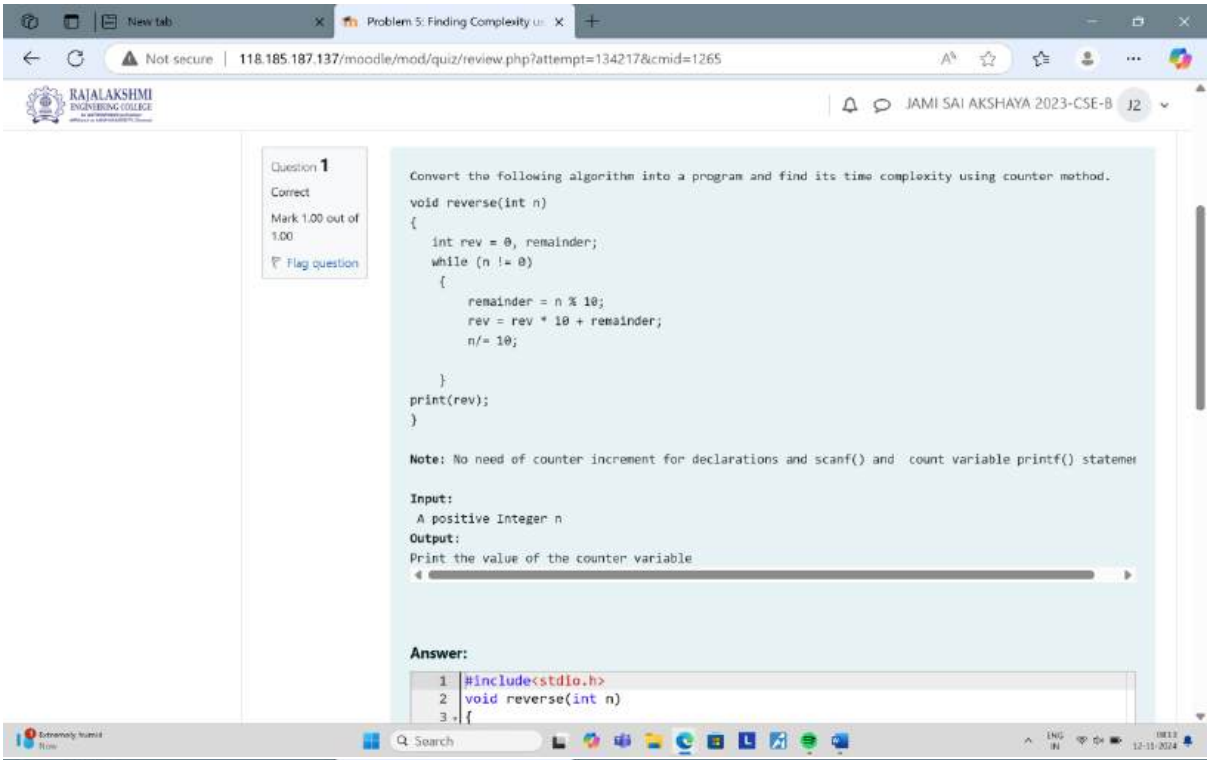
-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



5.

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



Problem 5: Finding Complexity

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Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Convert the following algorithm into a program and find its time complexity using counter method.

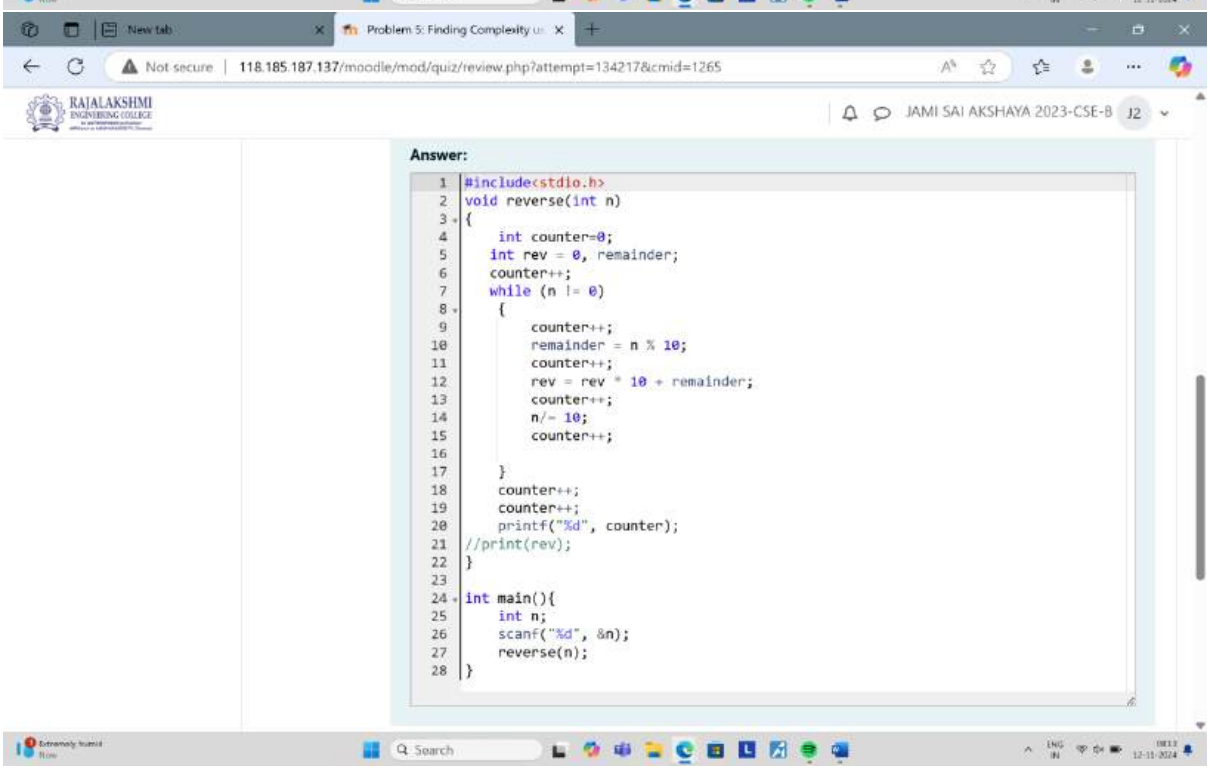
```
void reverse(int n)
{
   int rev = 0, remainder;
   while (n != 0)
    {
        remainder = n % 10;
        rev = rev * 10 + remainder;
        n/= 10;

    }
print(rev);
}
```

Note: No need of counter increment for declarations and scanf() and count variable printf() statemer

Input:
A positive Integer n
Output:
Print the value of the counter variable

Answer:

```
#include<stdio.h>
void reverse(int n)
{
```



Problem 5: Finding Complexity

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Answer:

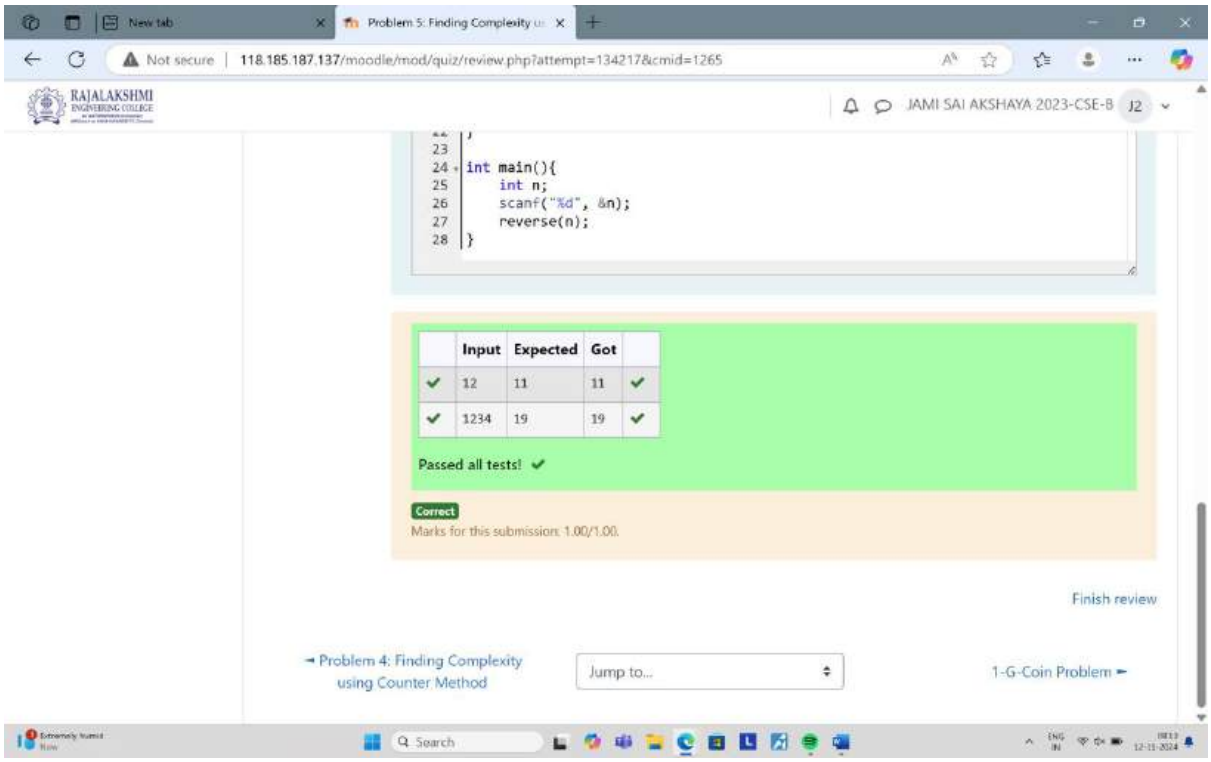
```
#include<stdio.h>
void reverse(int n)
{
    int counter=0;
   int rev = 0, remainder;
   counter++;
   while (n != 0)
    {
        counter++;
        remainder = n % 10;
        counter++;
        rev = rev * 10 + remainder;
        counter++;
        n/= 10;
        counter++;

    }
    counter++;
    counter++;
    printf("%d", counter);
//print(rev);
}

int main(){
    int n;
    scanf("%d", &n);
    reverse(n);
}
```

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

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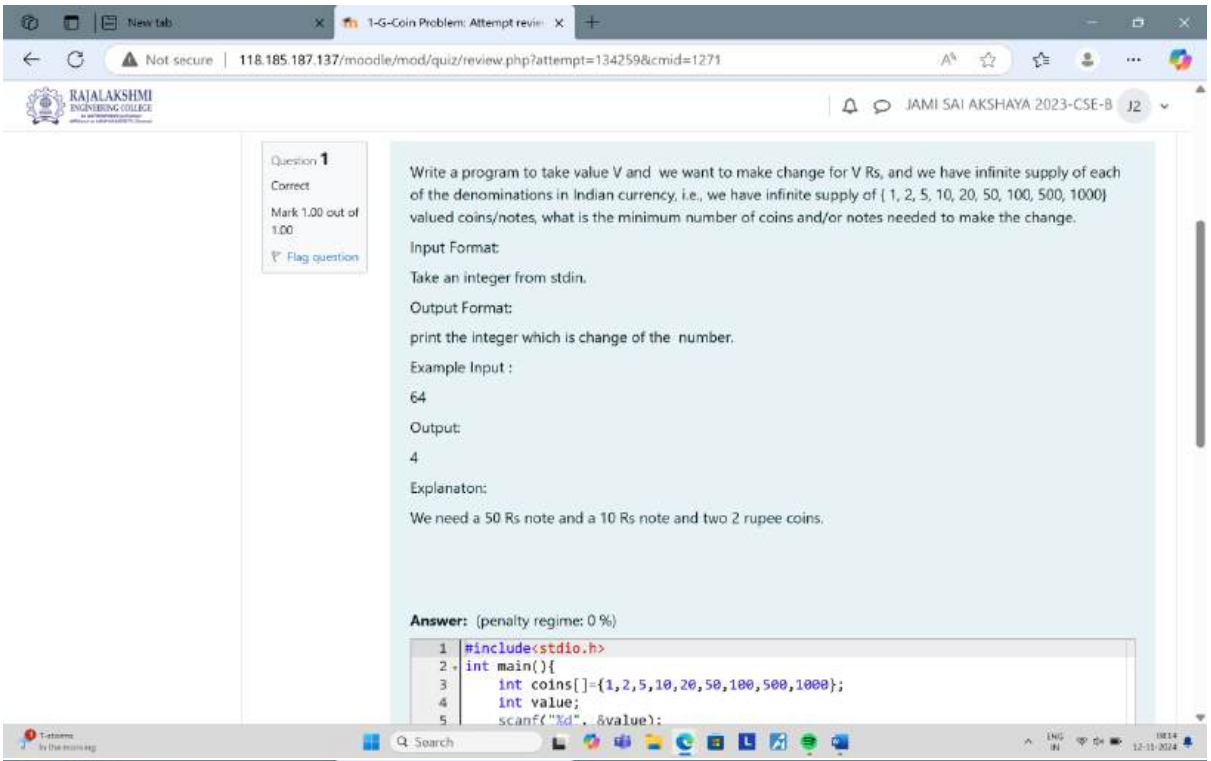
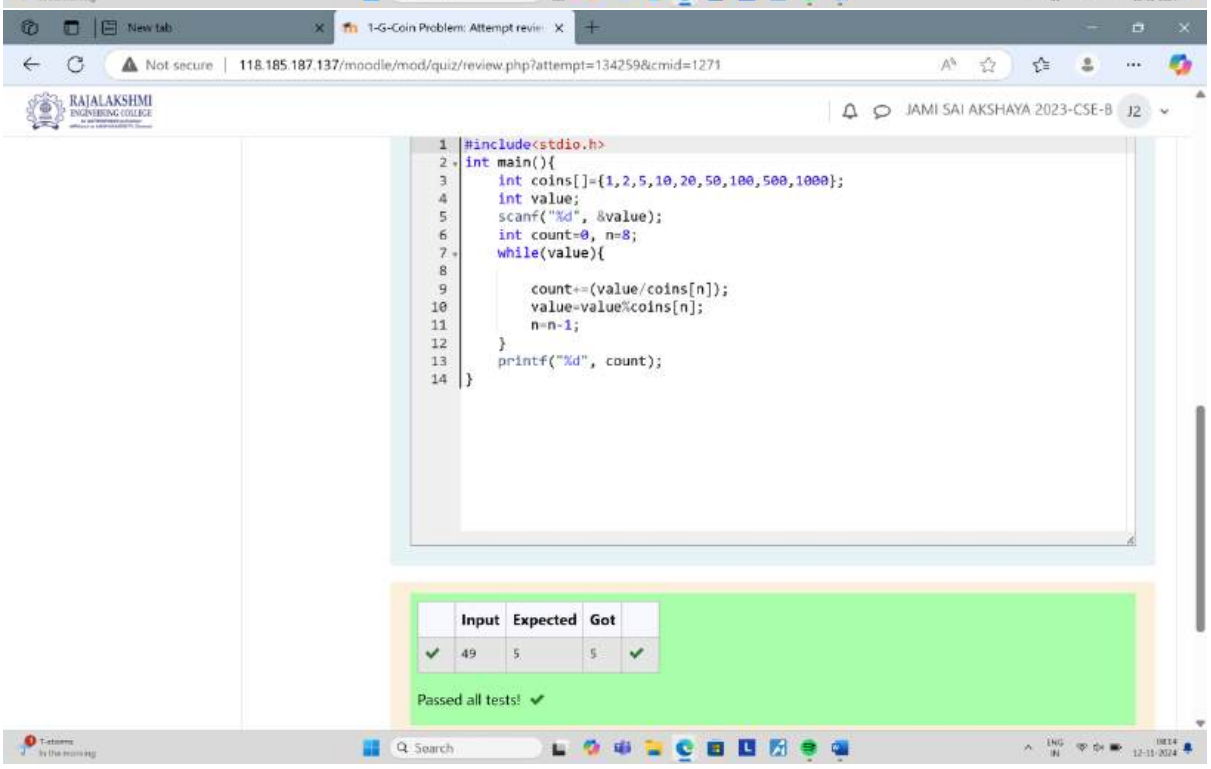
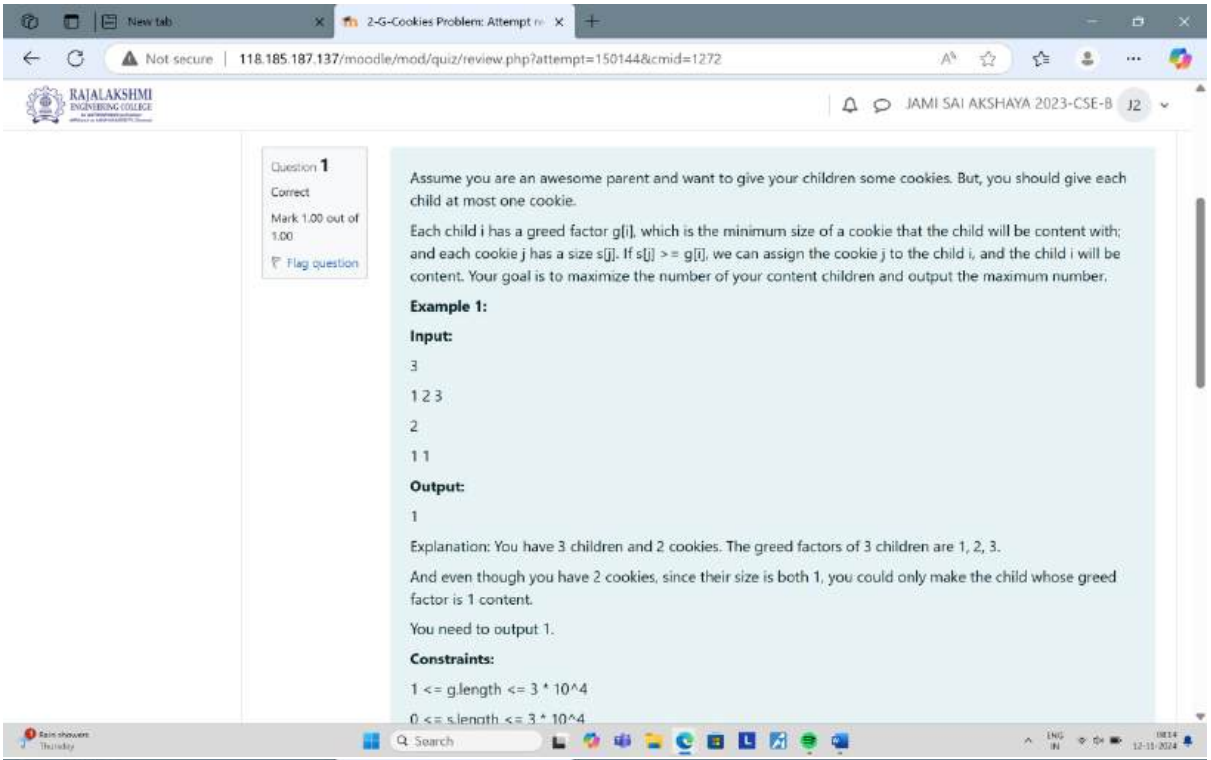


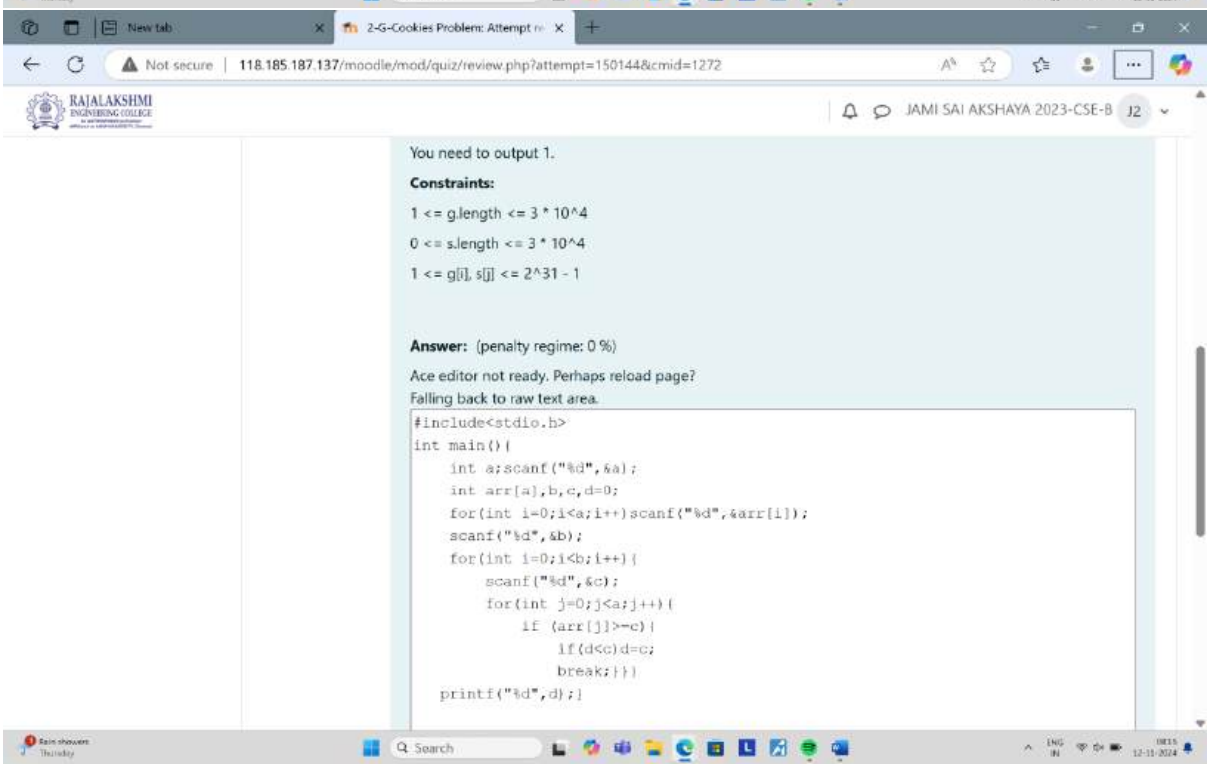


MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

2.





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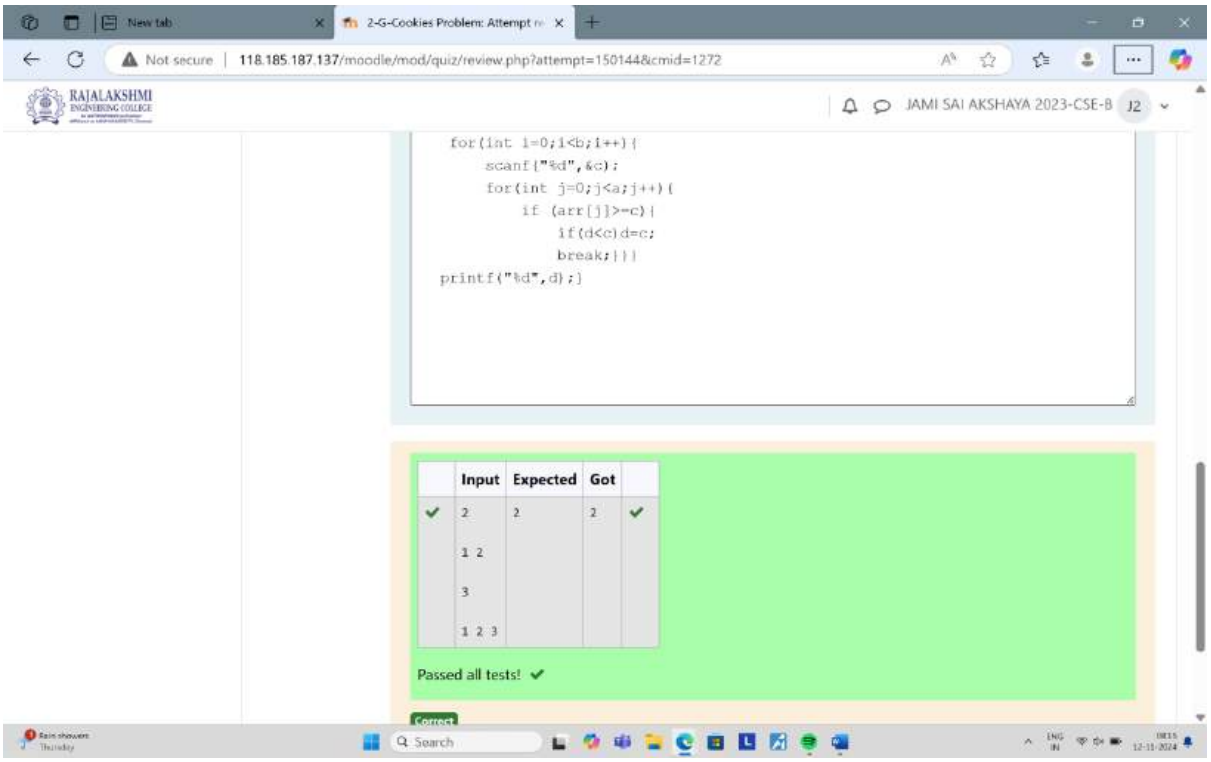
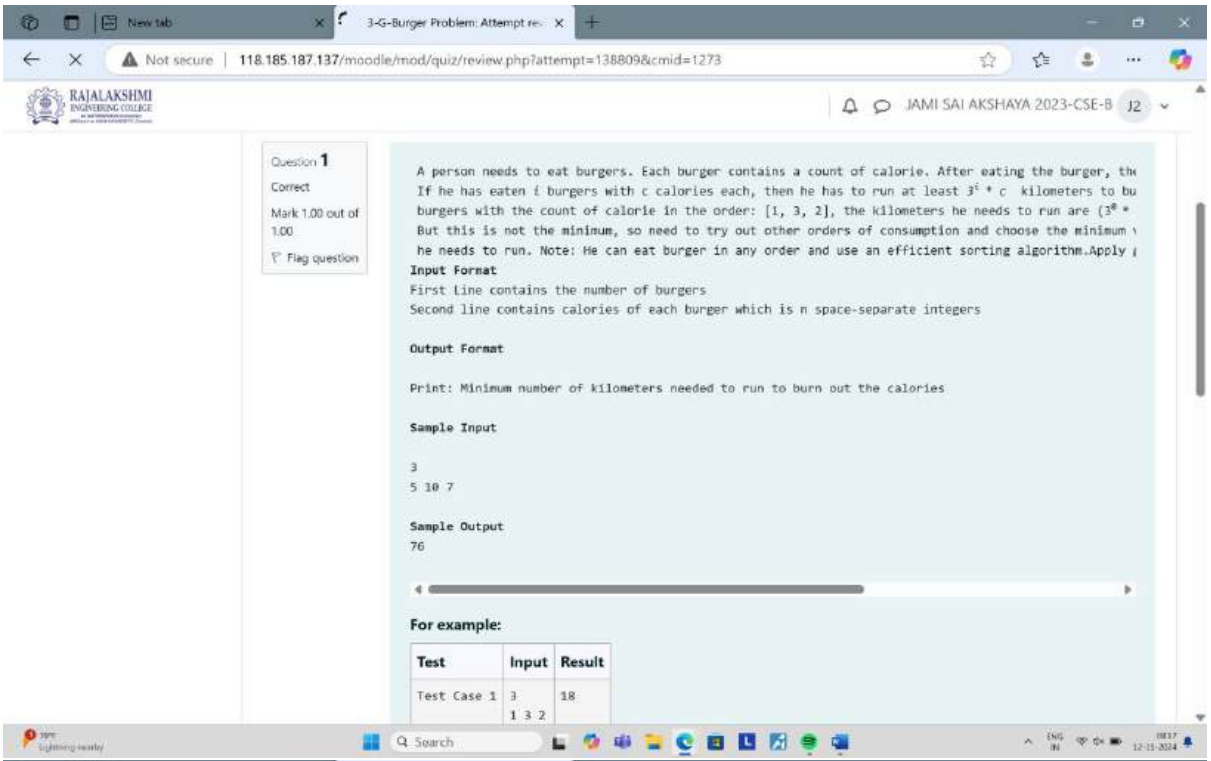
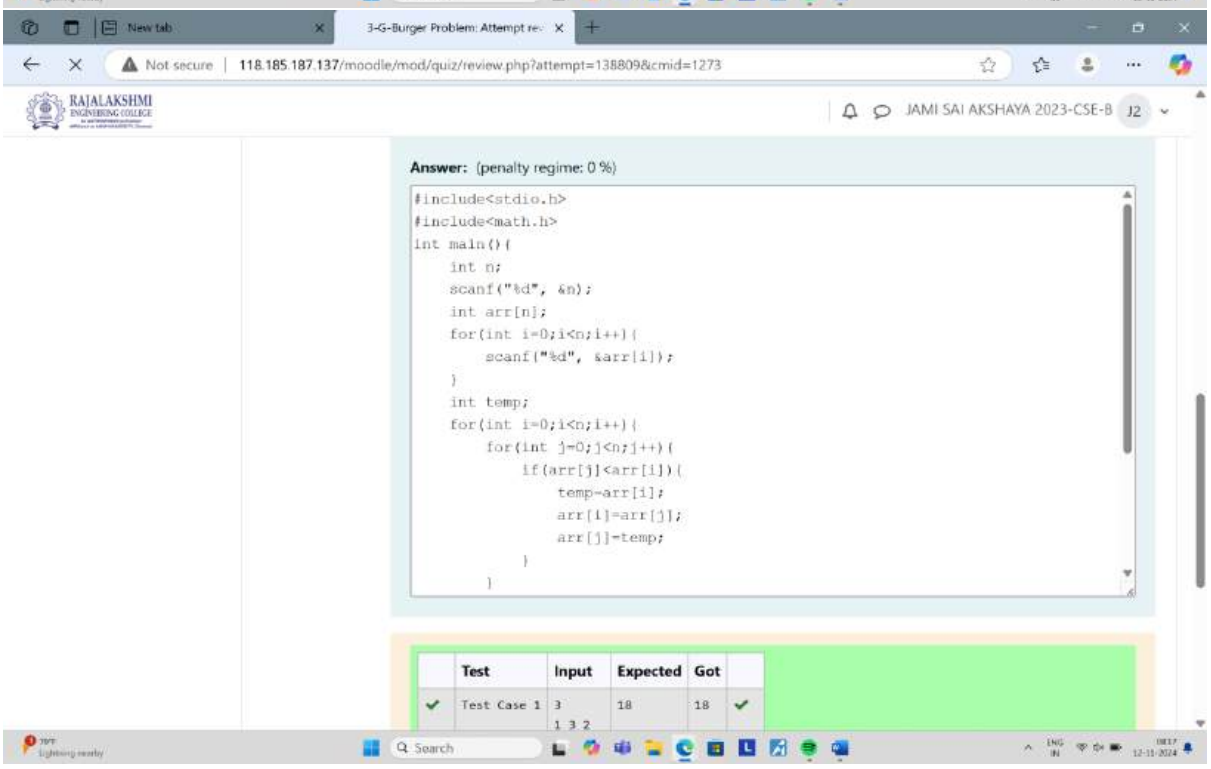


MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

3.





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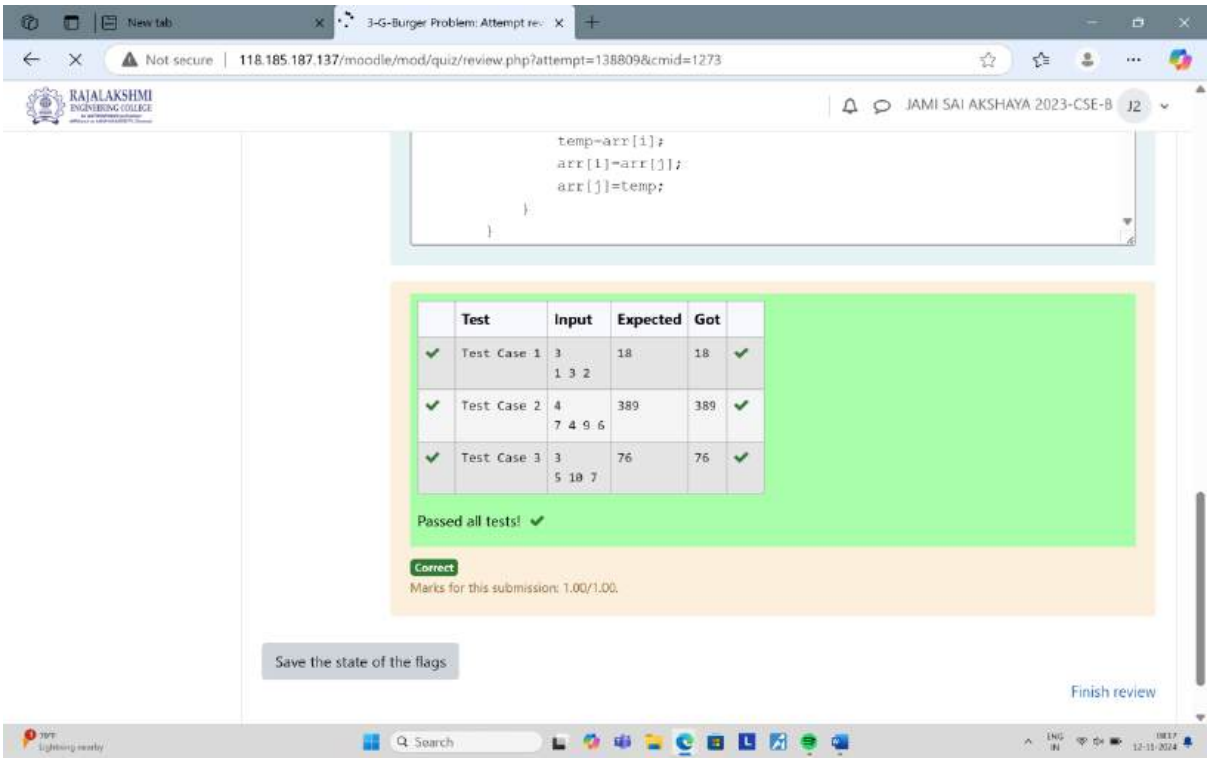

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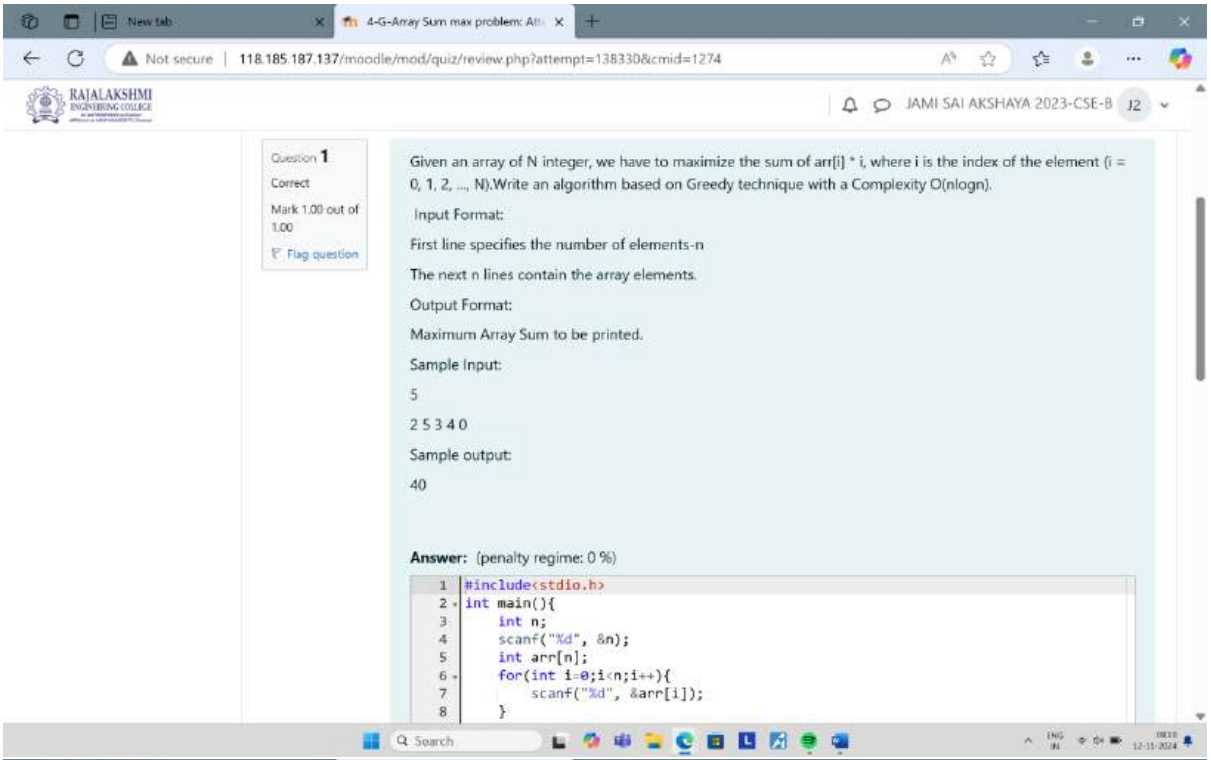
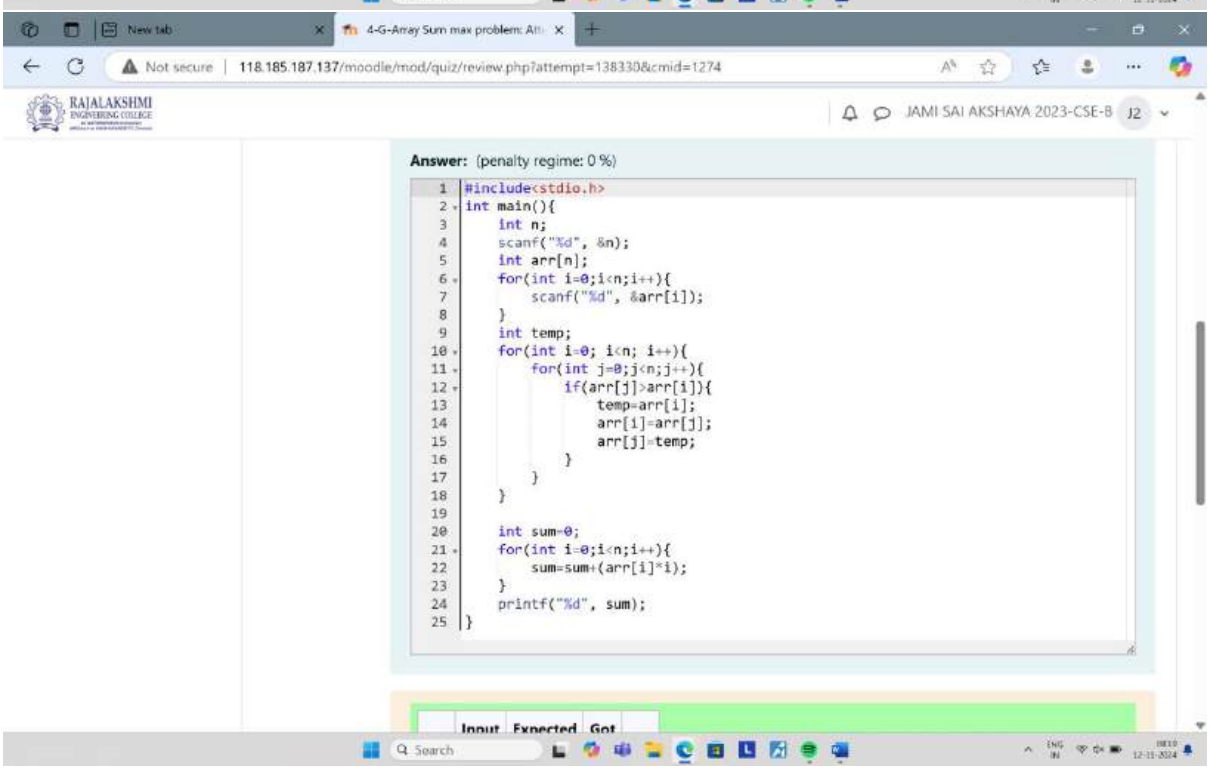
DEPARTMENT-CSE-B "

4.





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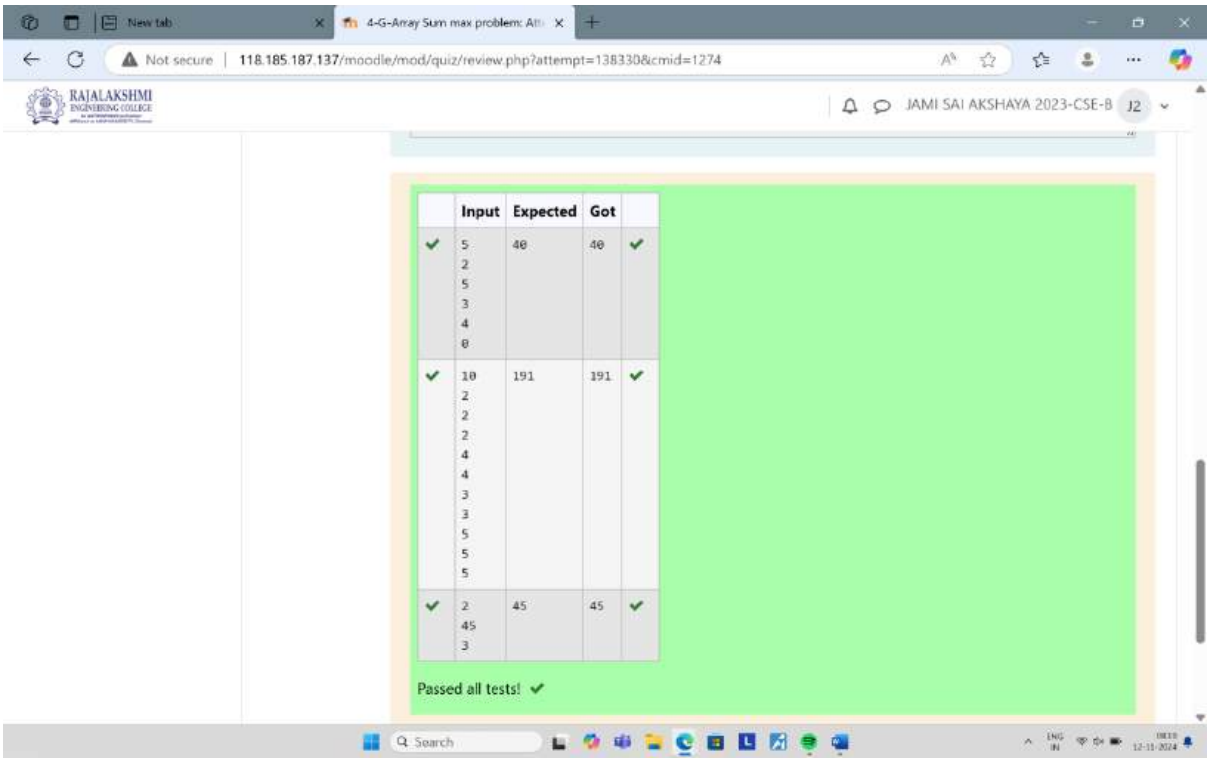

MOODLE PROGRAMS (DAA)

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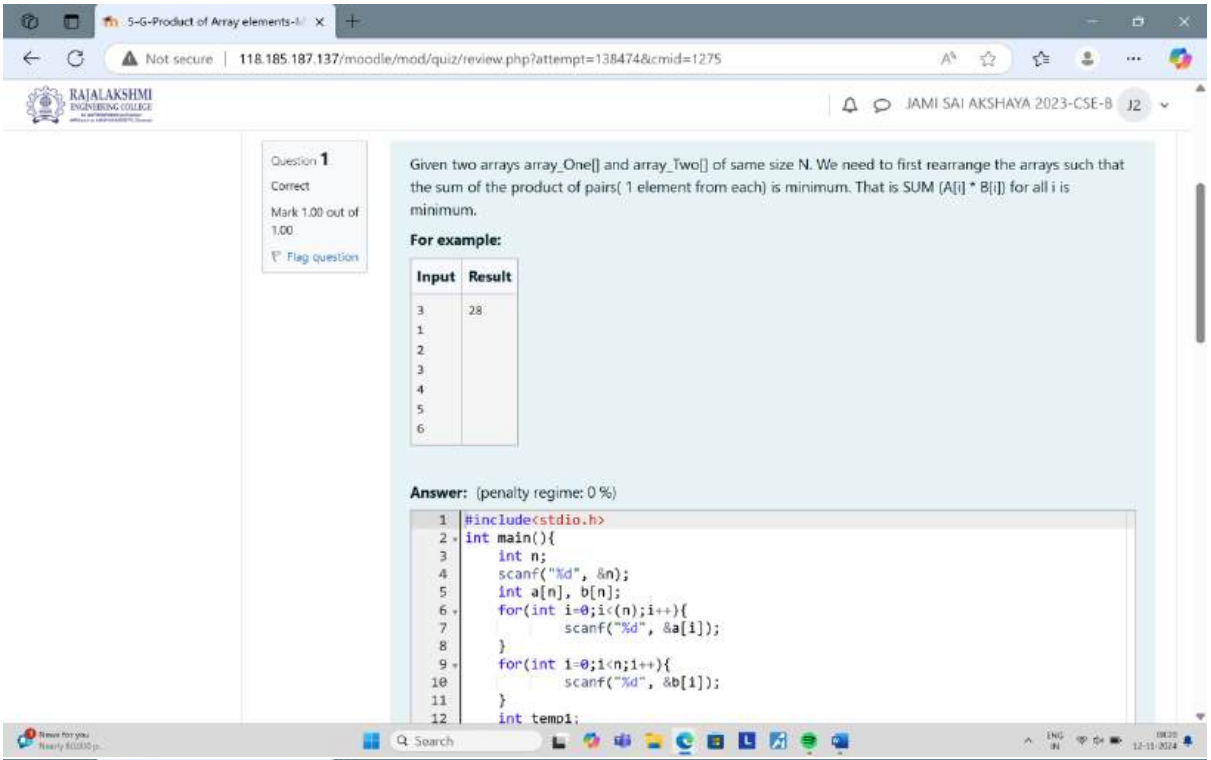
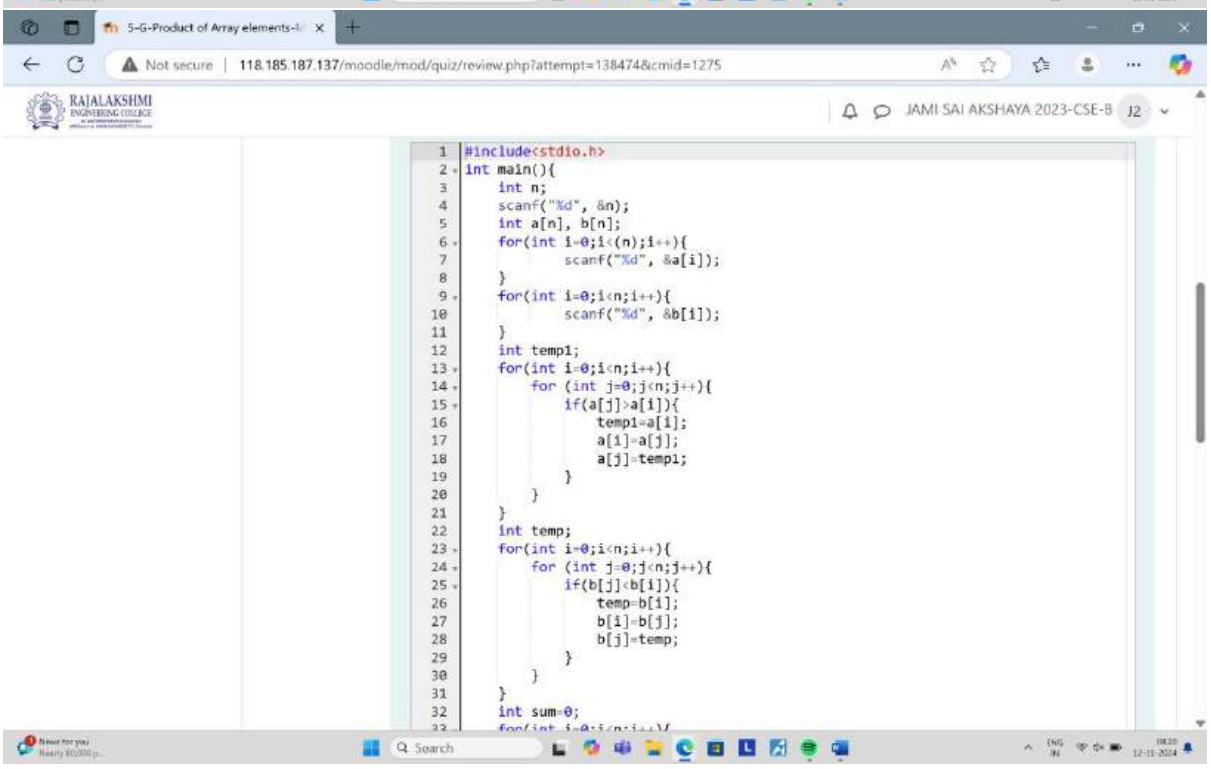
5.





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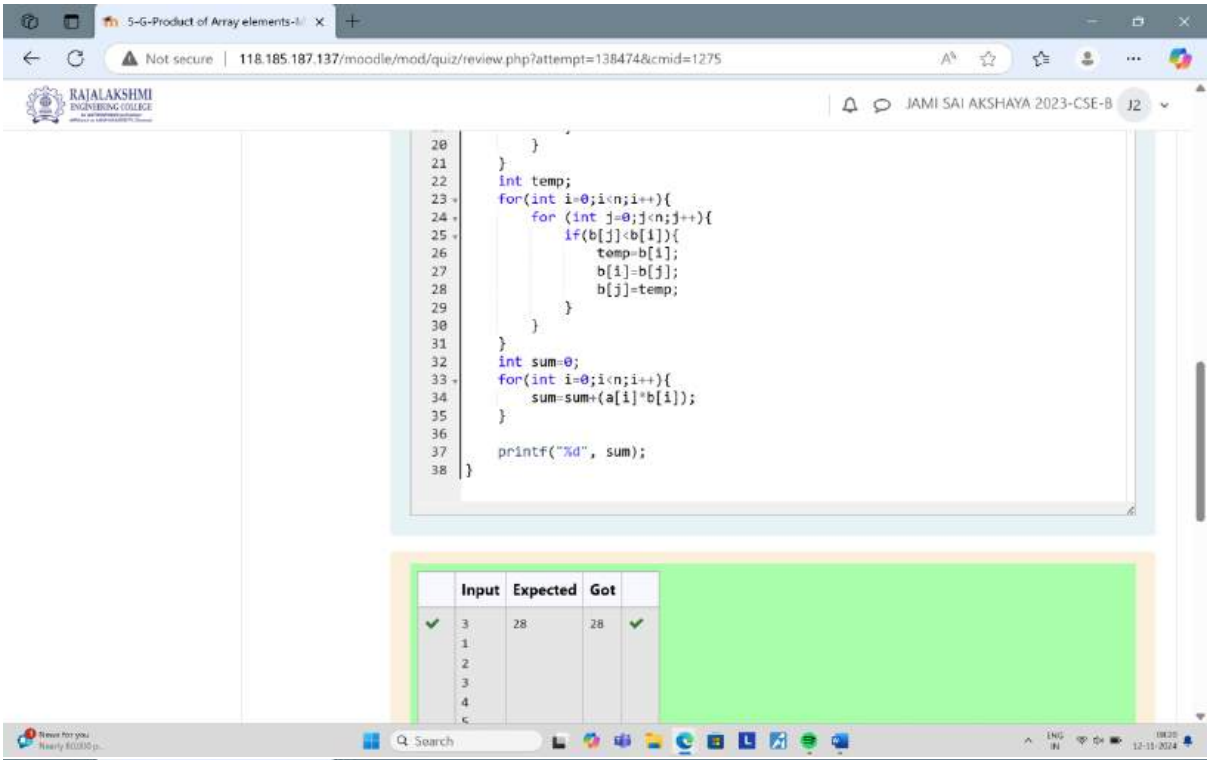

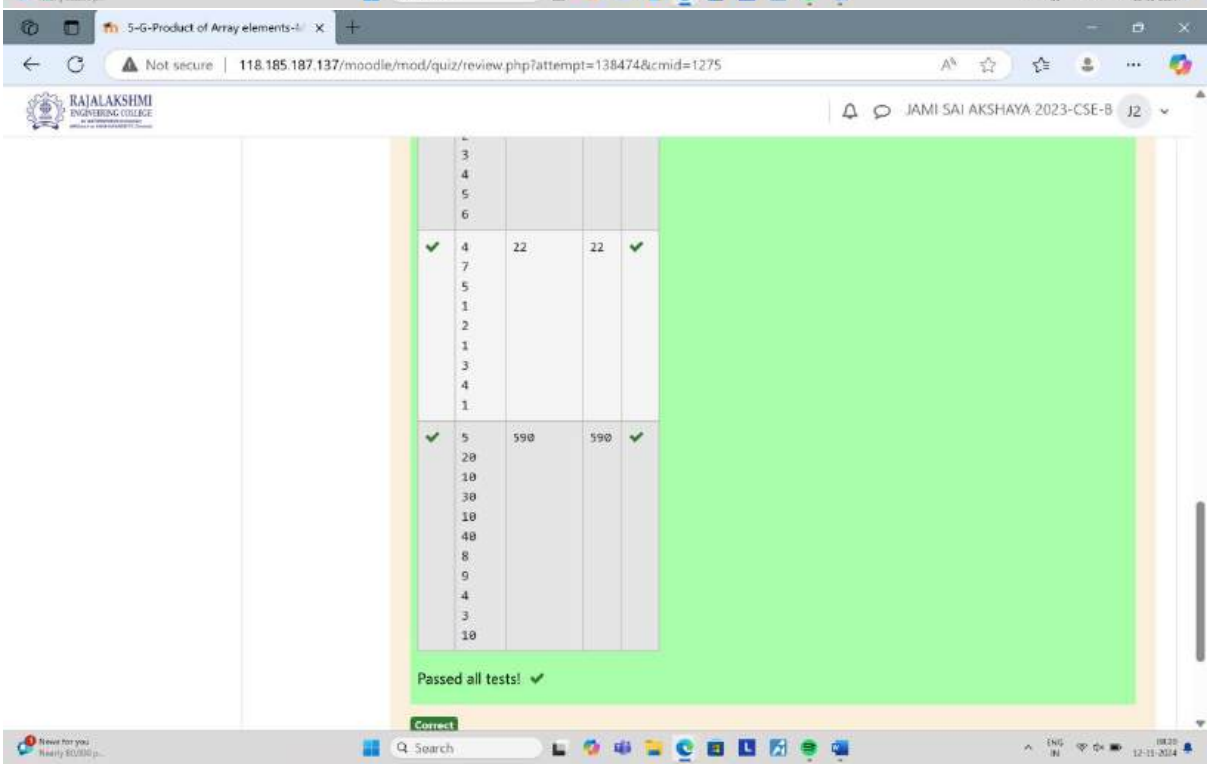

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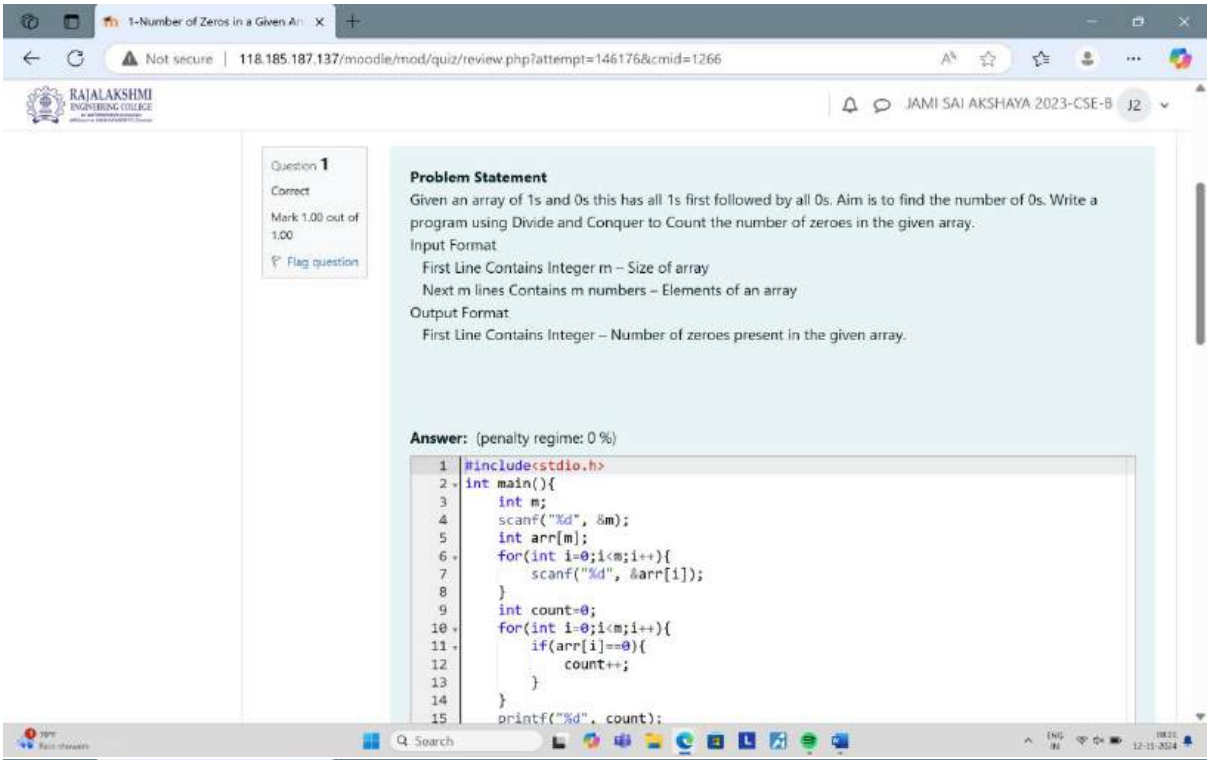

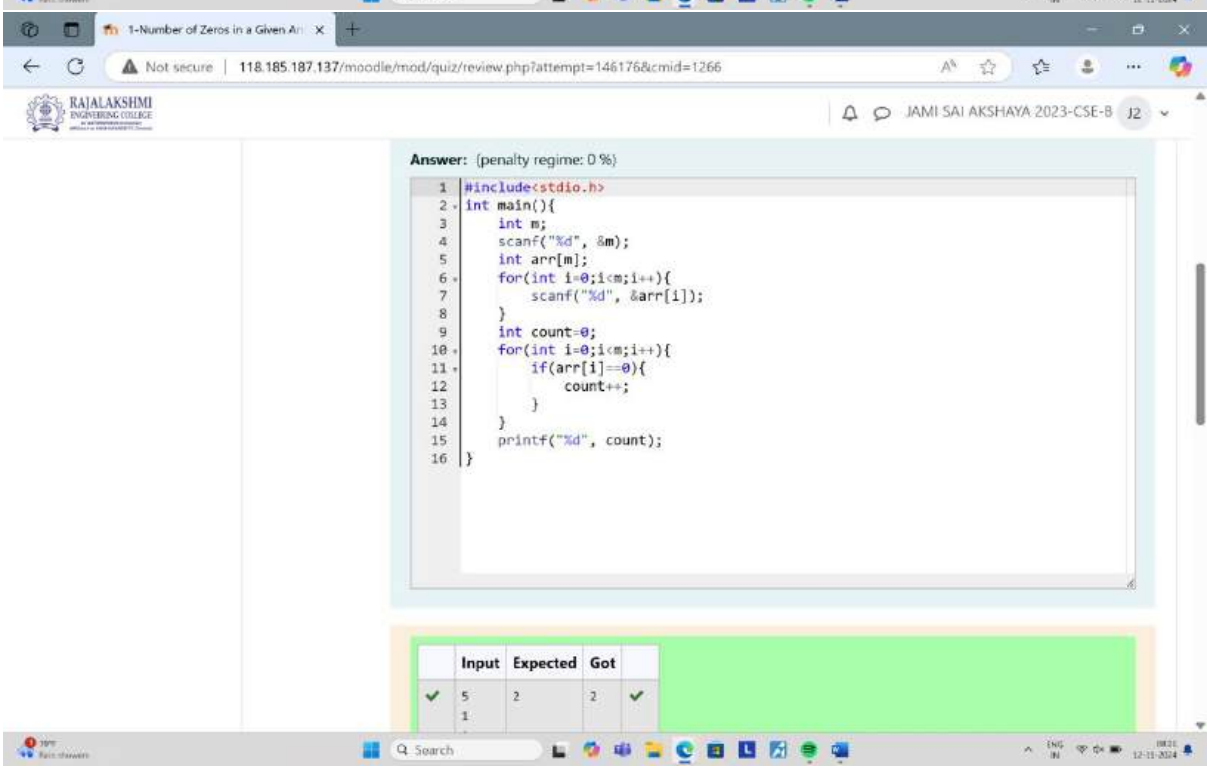

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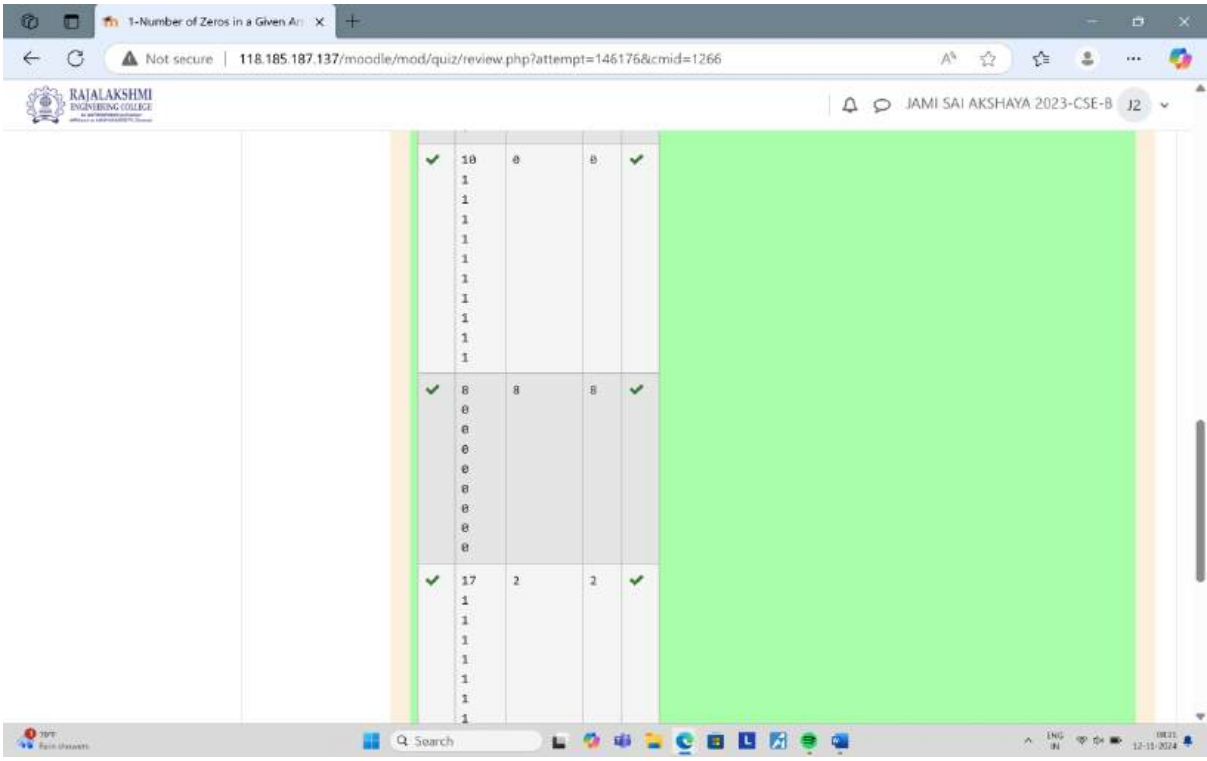

MOODLE PROGRAMS (DAA)

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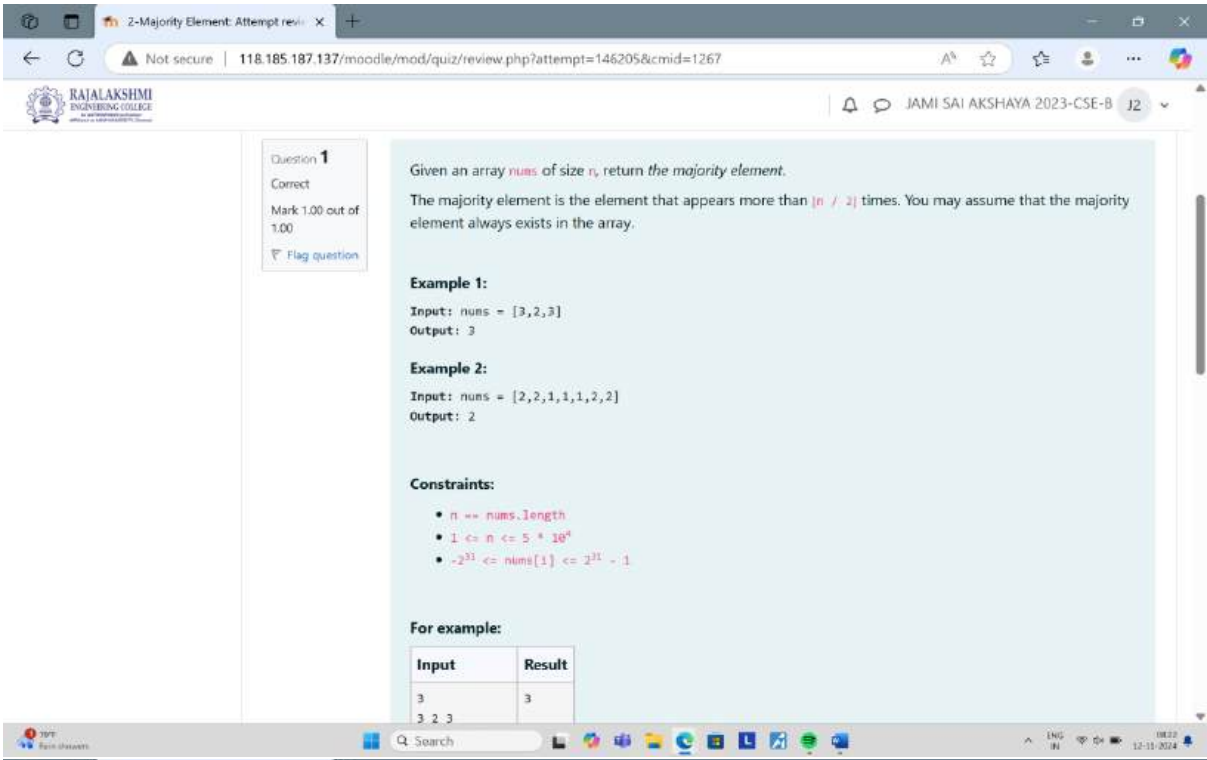
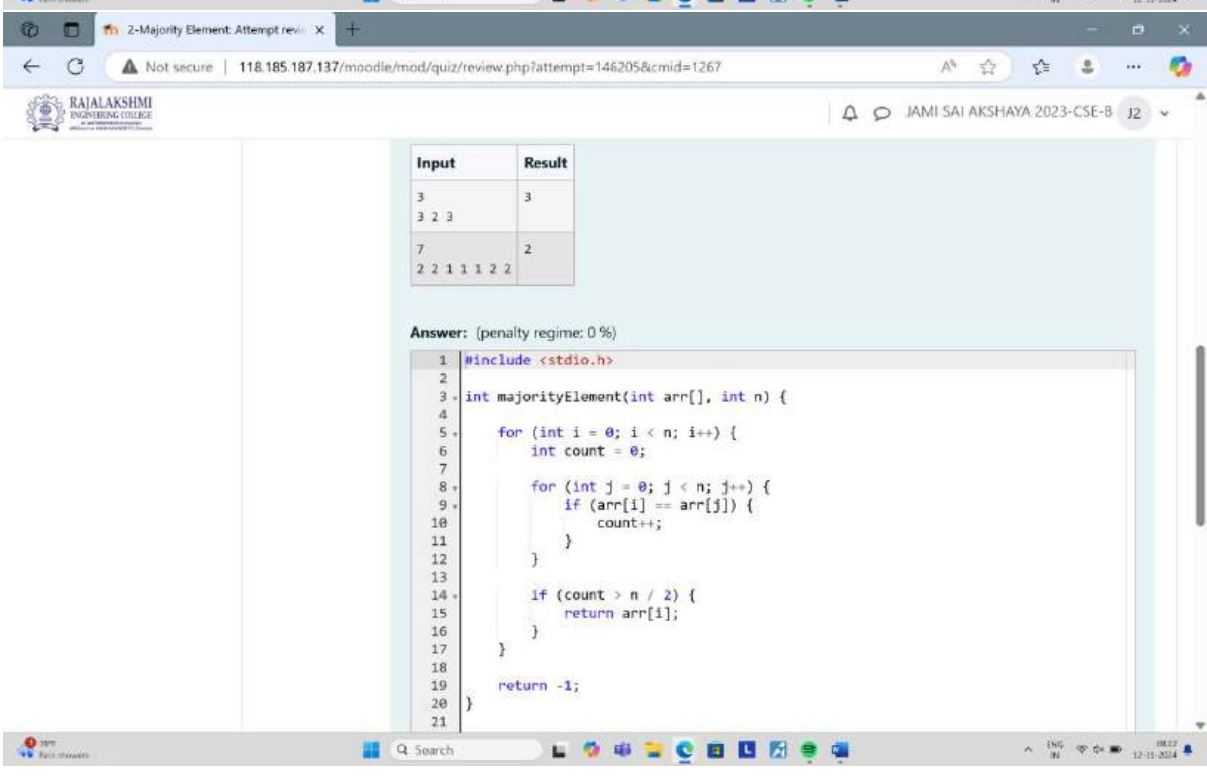
ROLL NO: 230701121
DEPARTMENT-CSE-B "

2.





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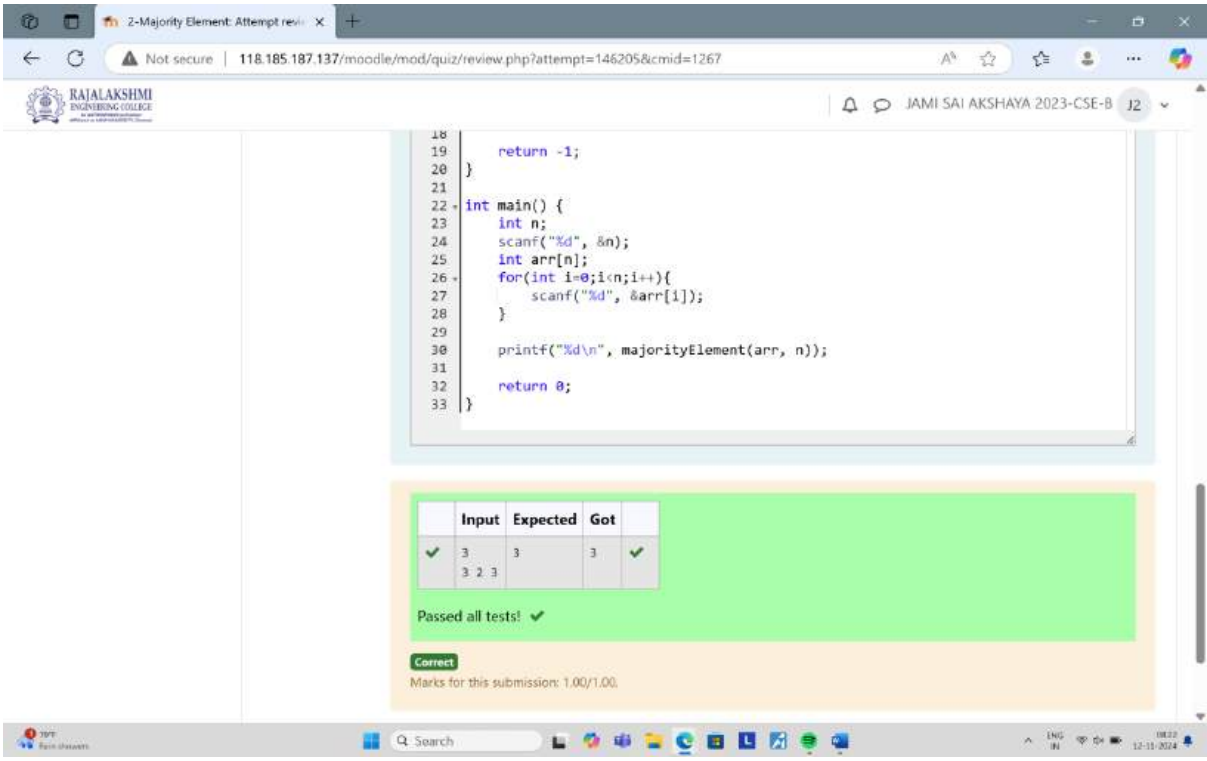

MOODLE PROGRAMS (DAA)

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DEPARTMENT-CSE-B "

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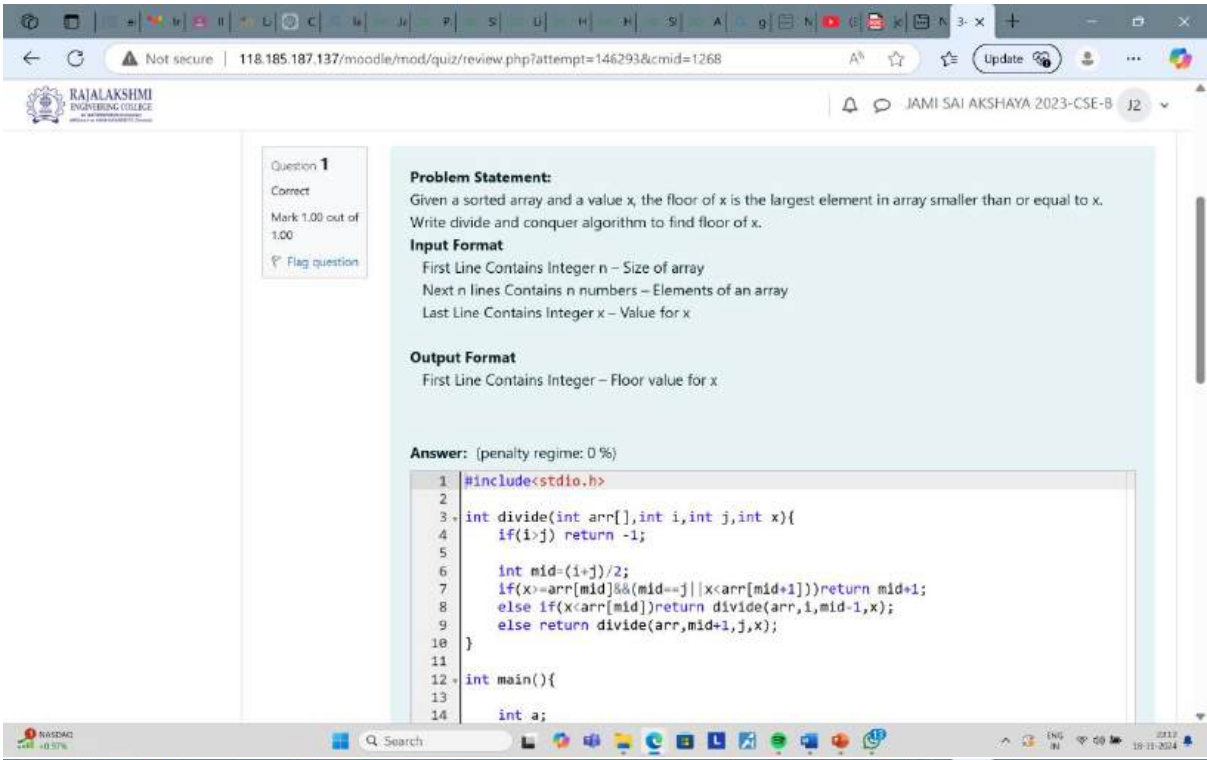
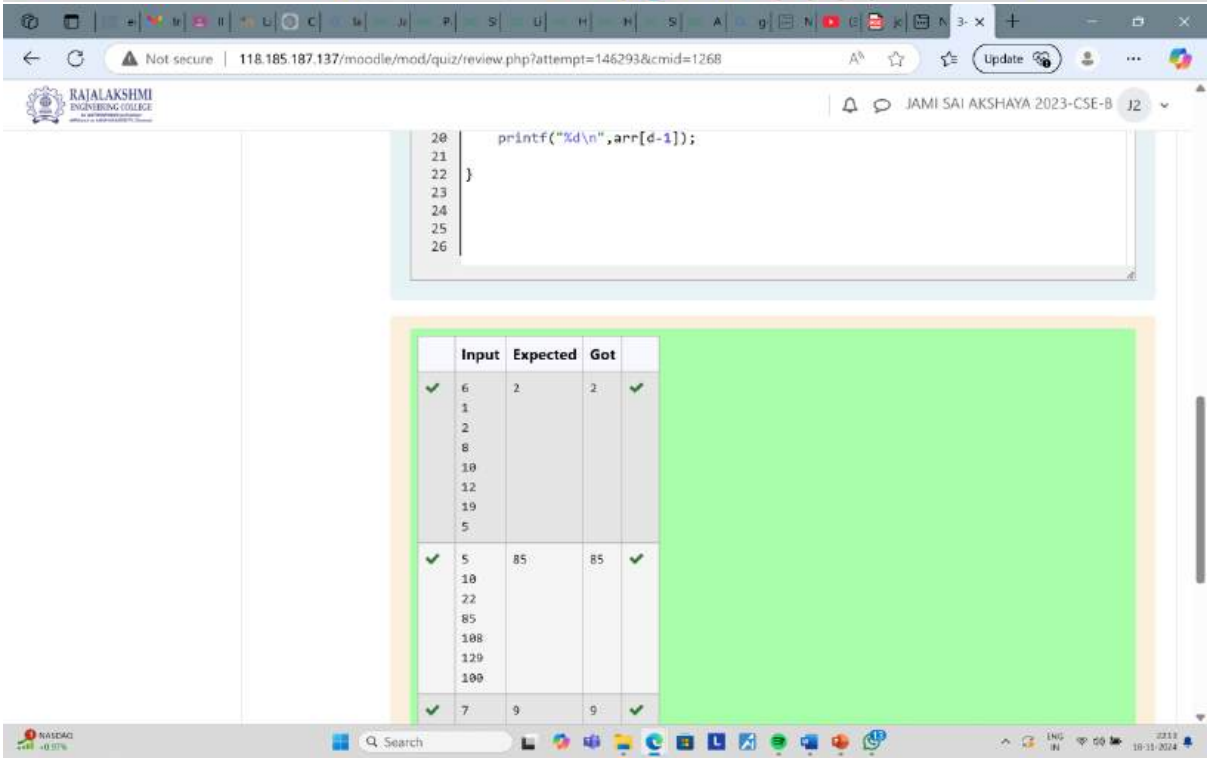
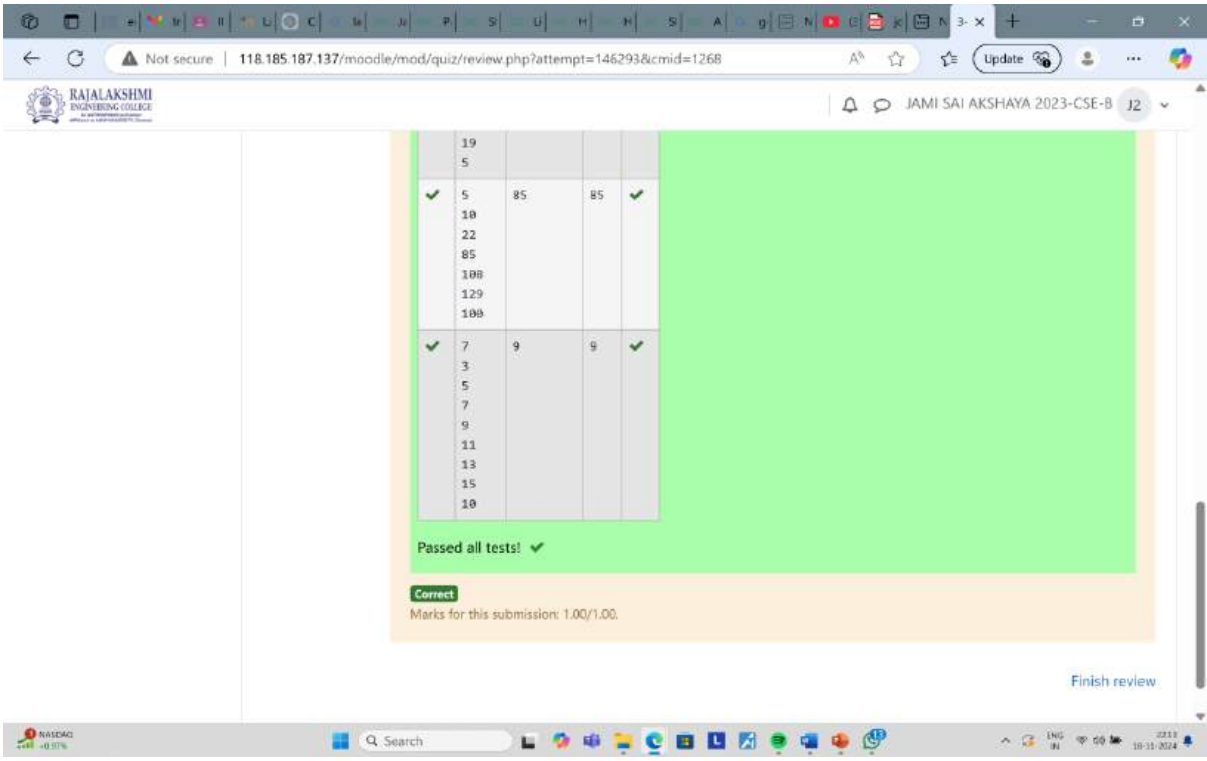




MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

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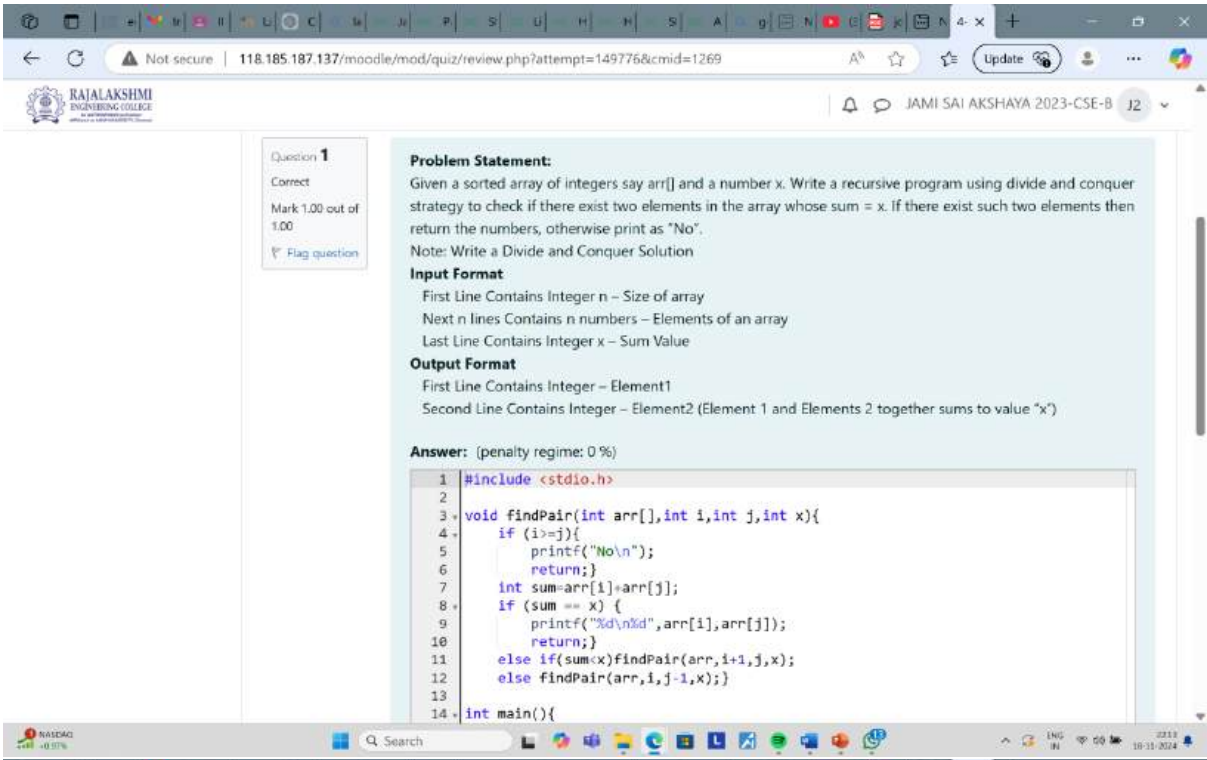

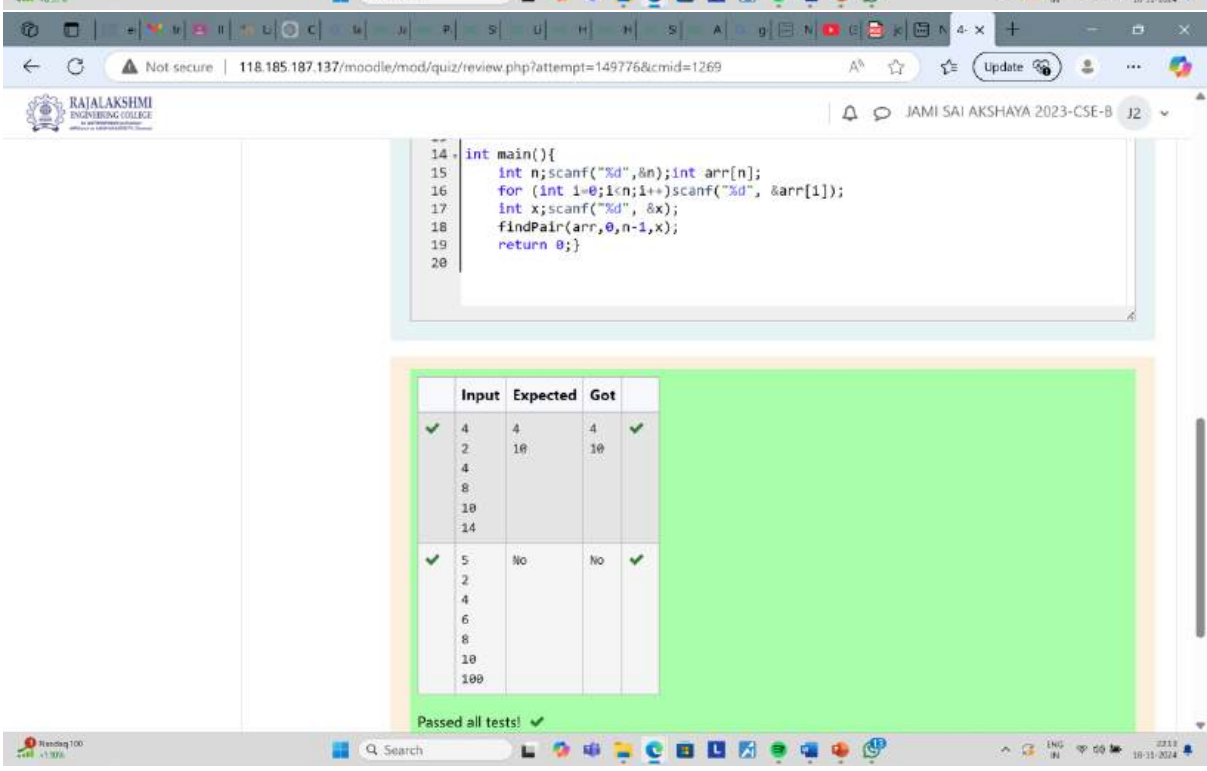

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

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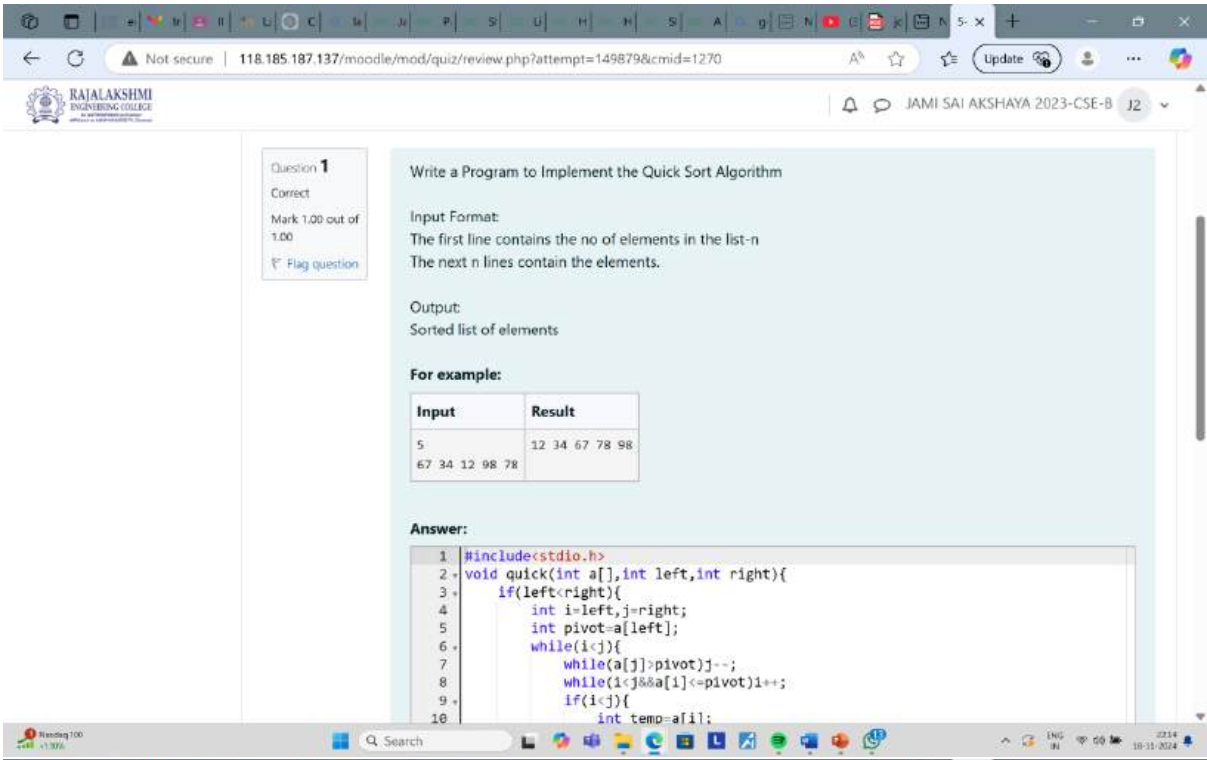

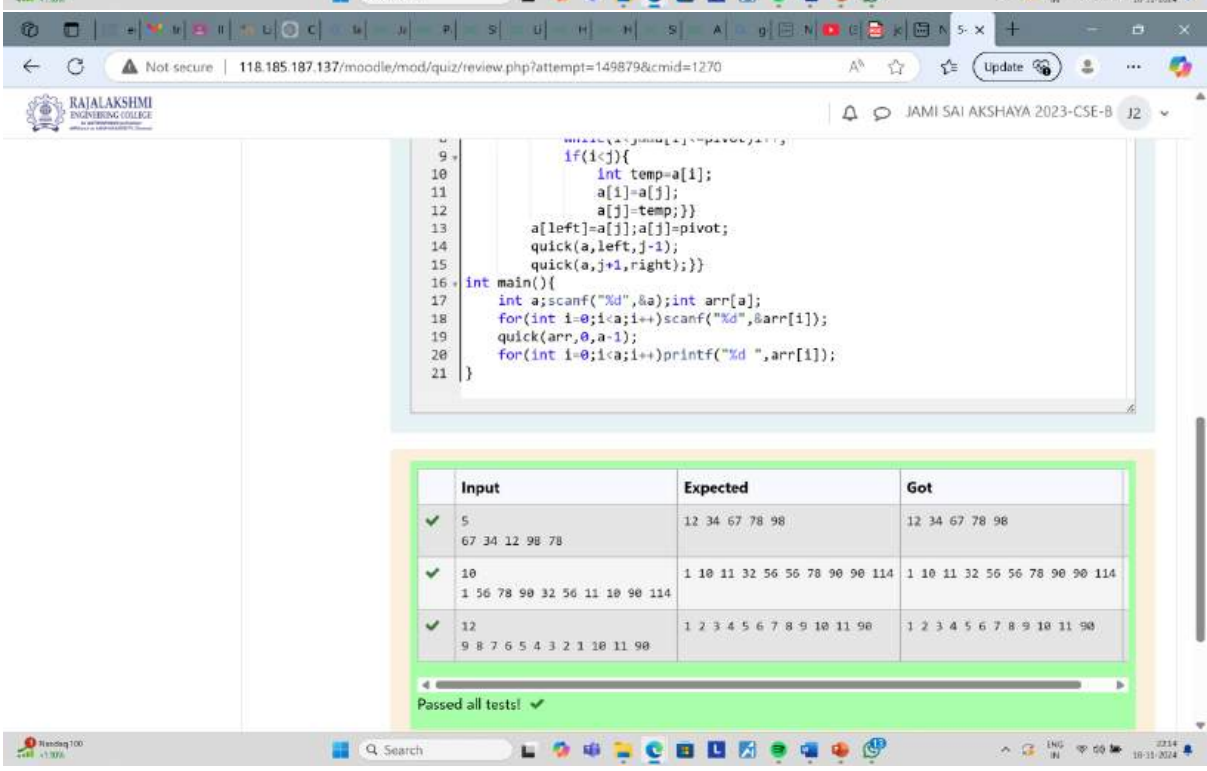

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
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DEPARTMENT-CSE-B "

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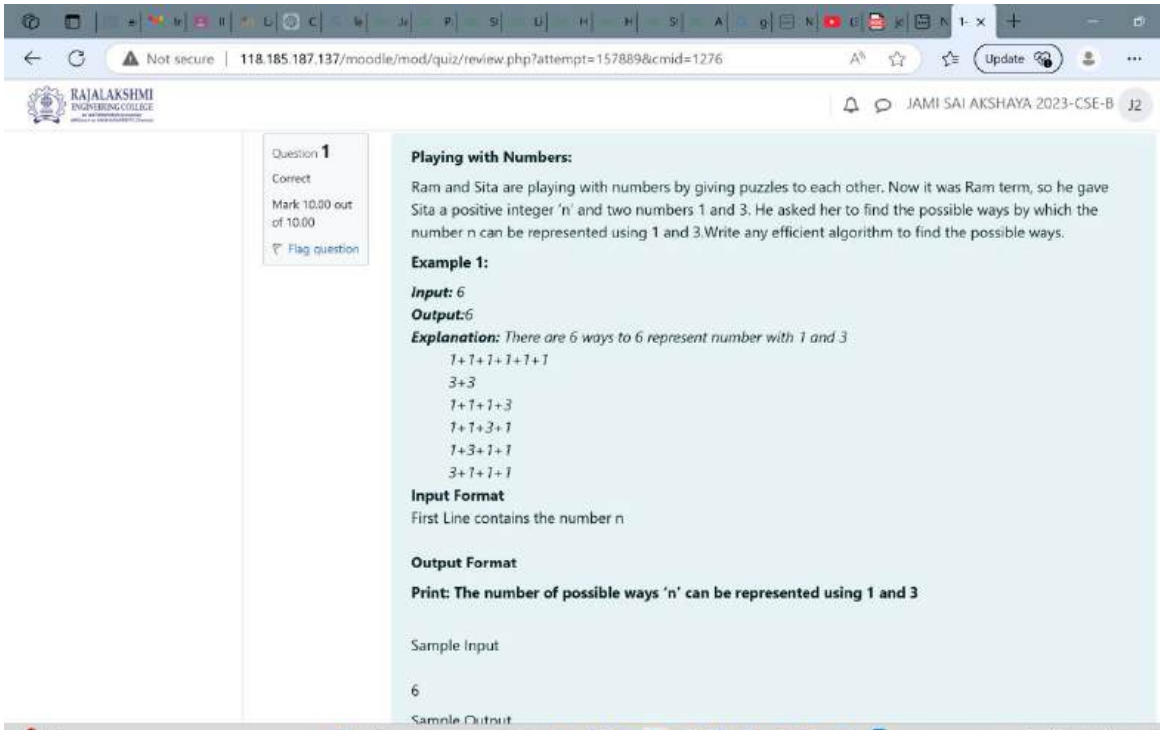

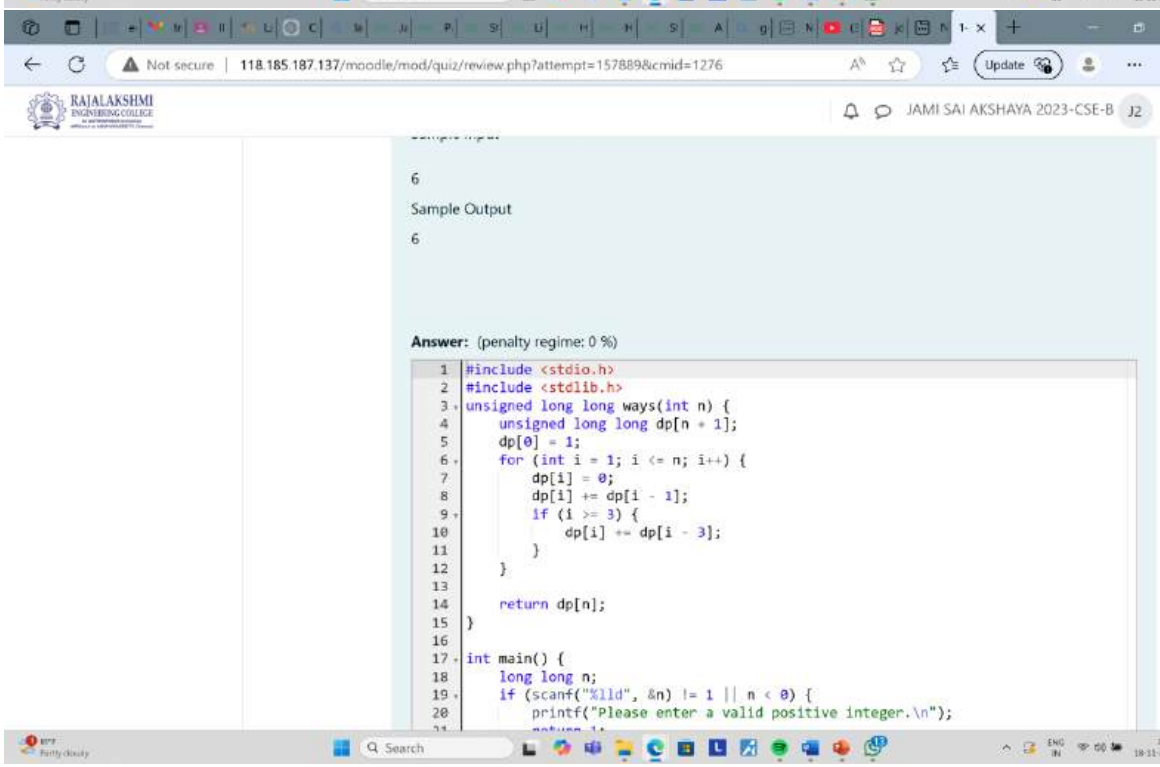

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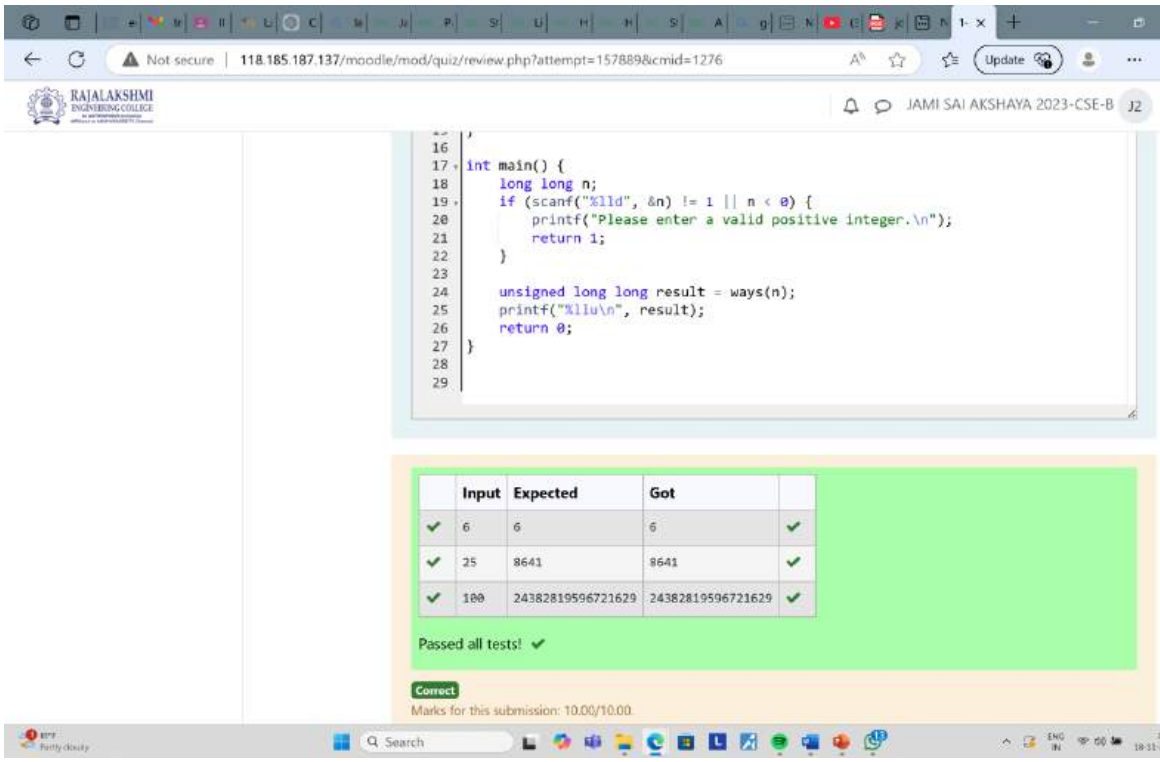

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

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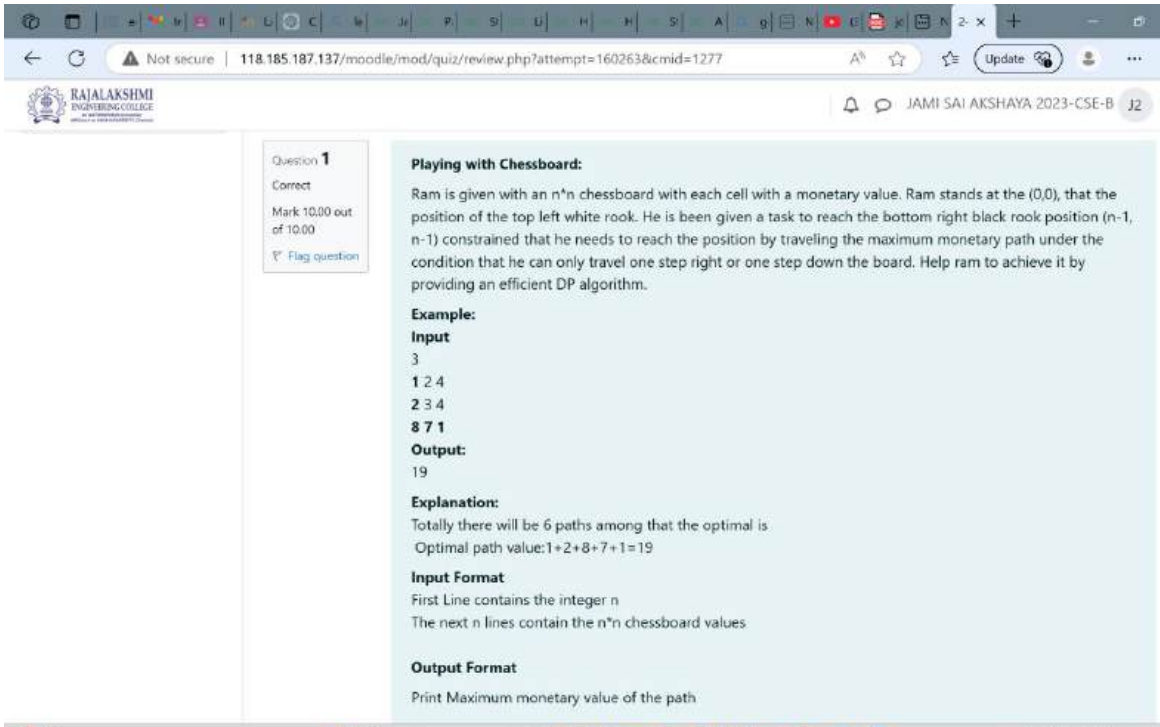

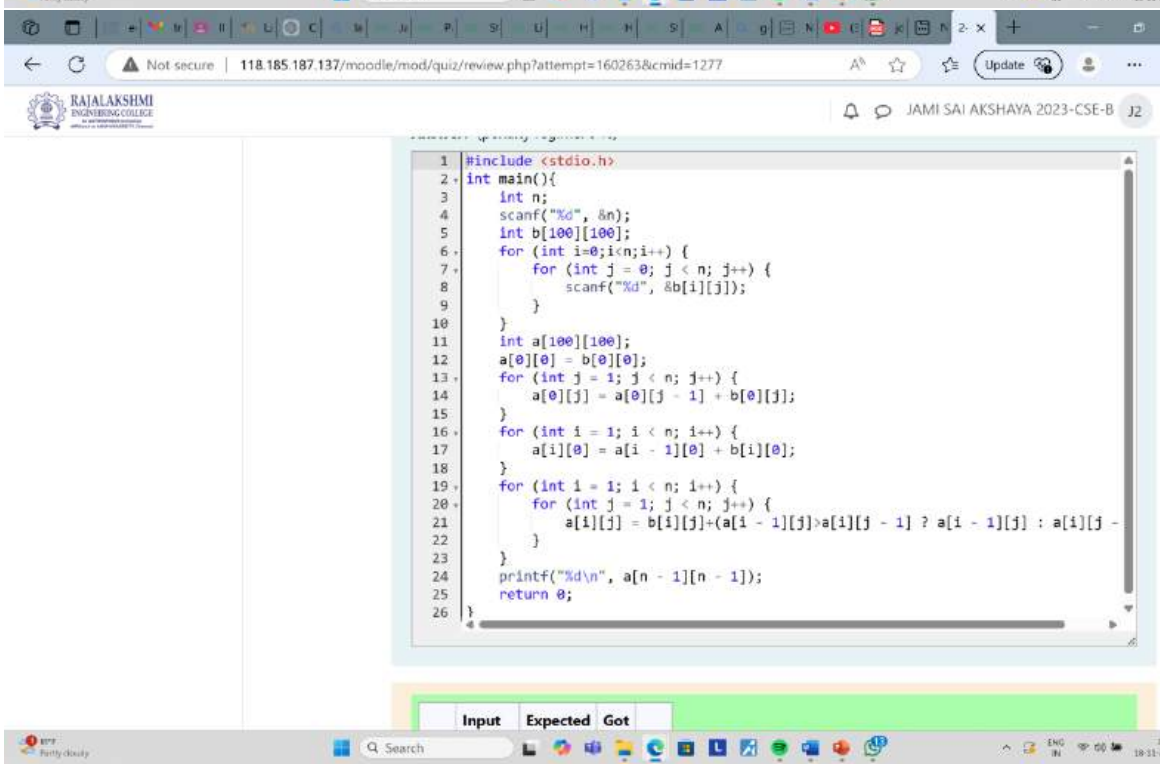

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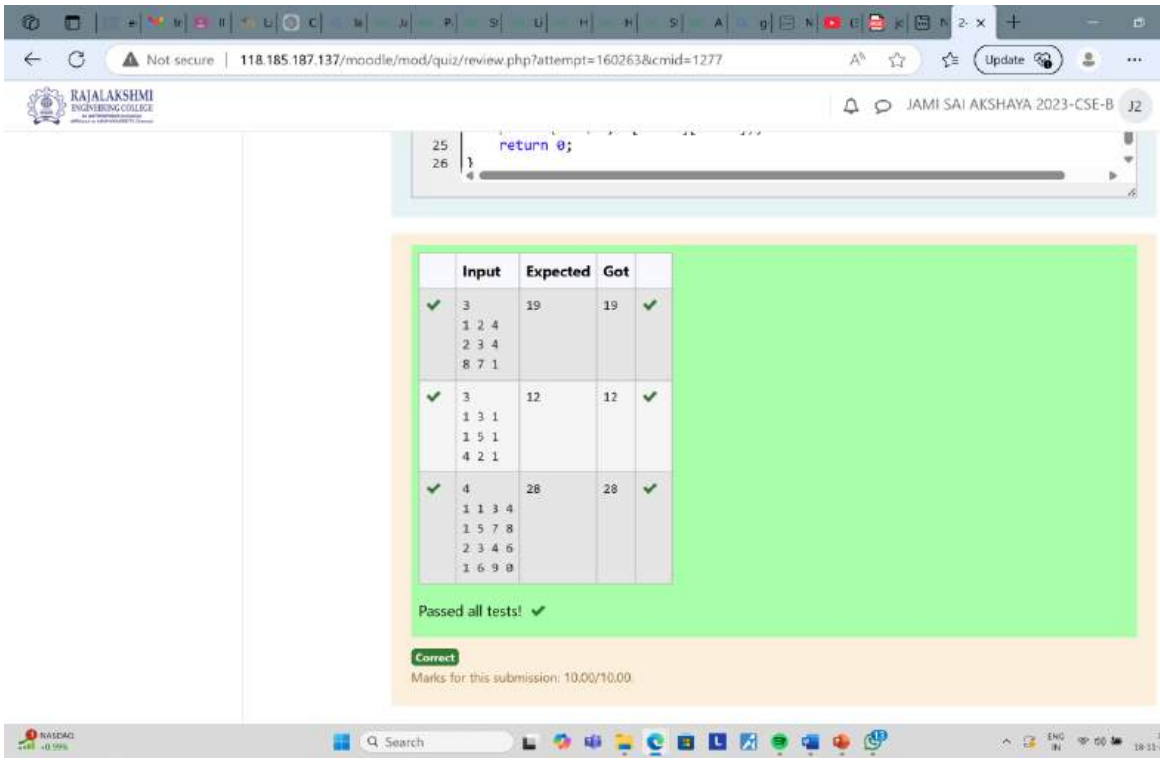
ROLL NO: 230701121
DEPARTMENT-CSE-B "



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DEPARTMENT-CSE-B "

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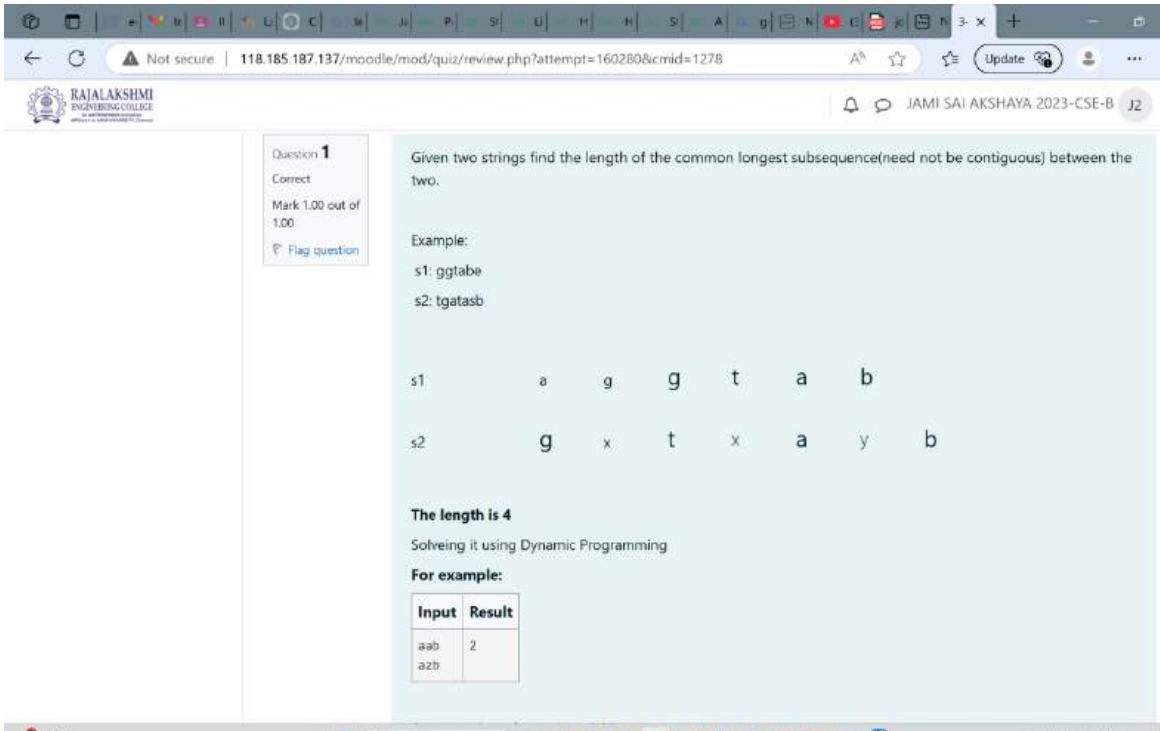

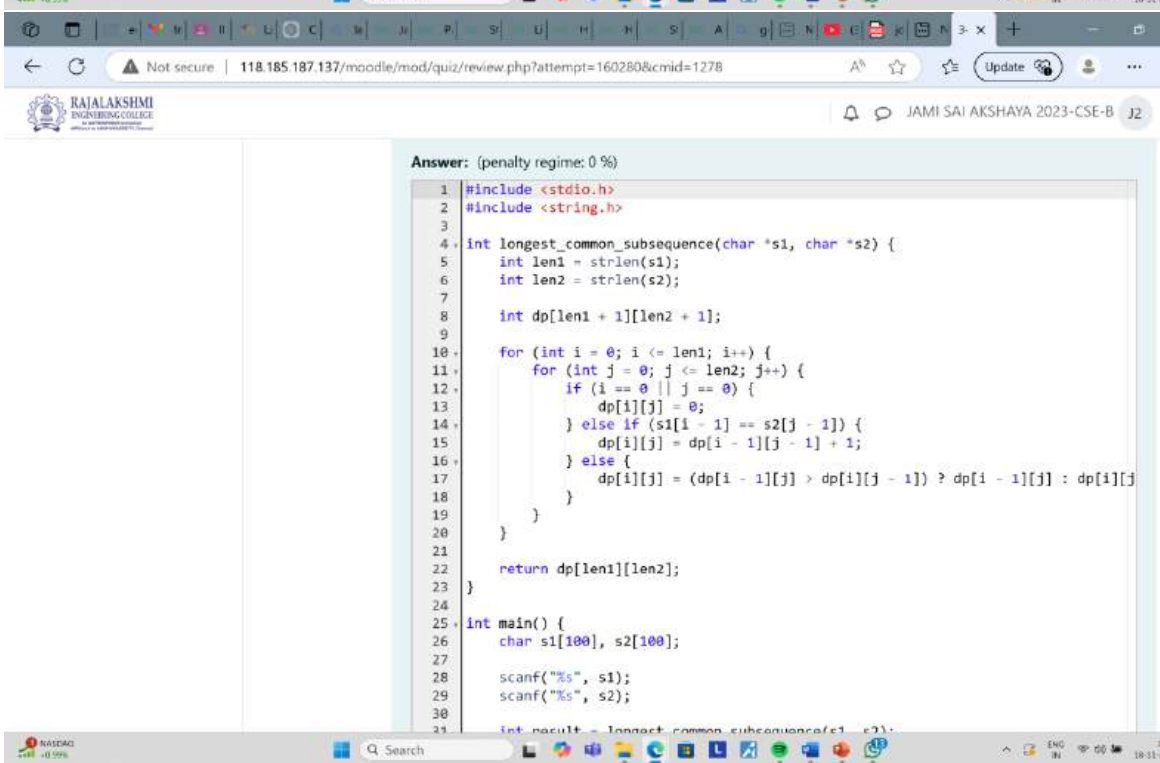

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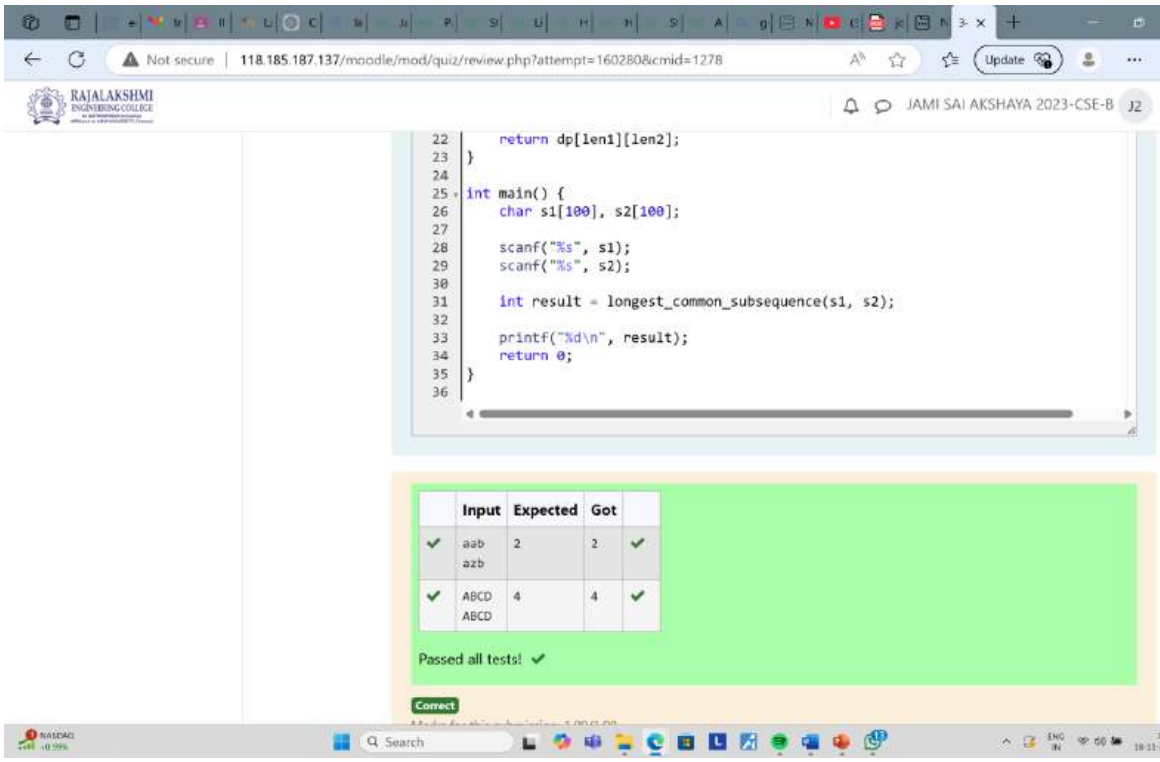
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

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ROLL NO: 230701121
DEPARTMENT-CSE-B "

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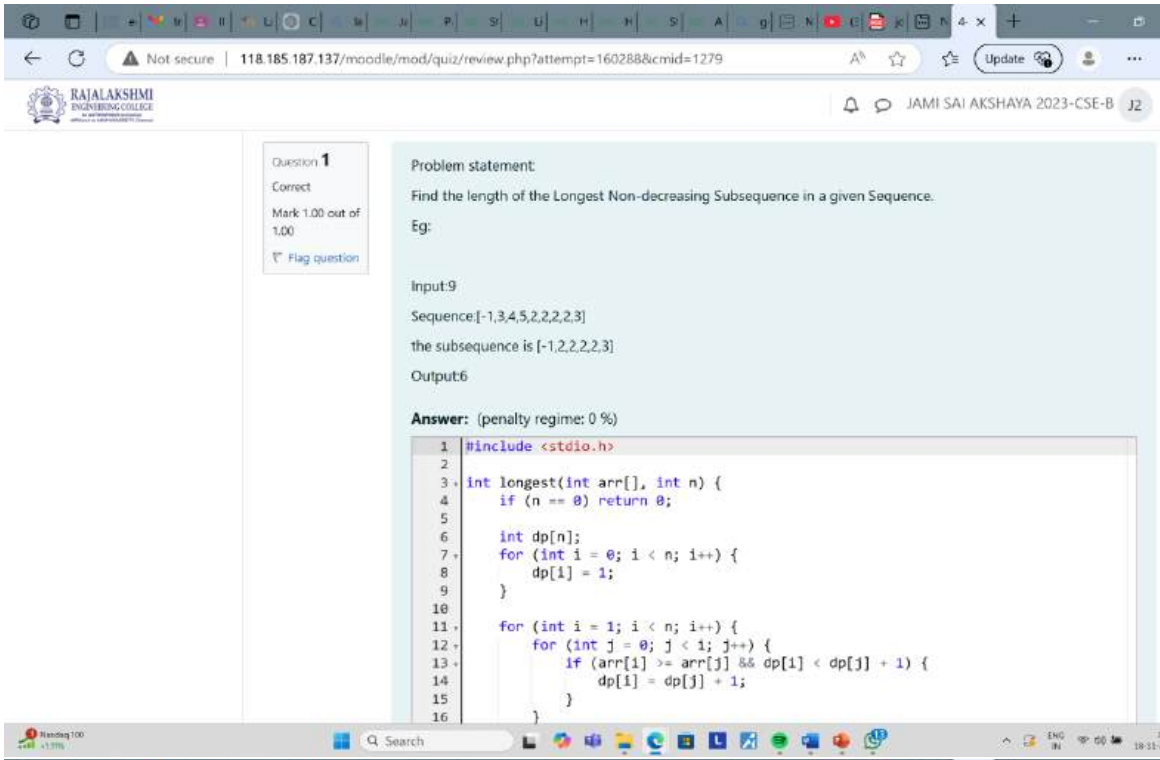

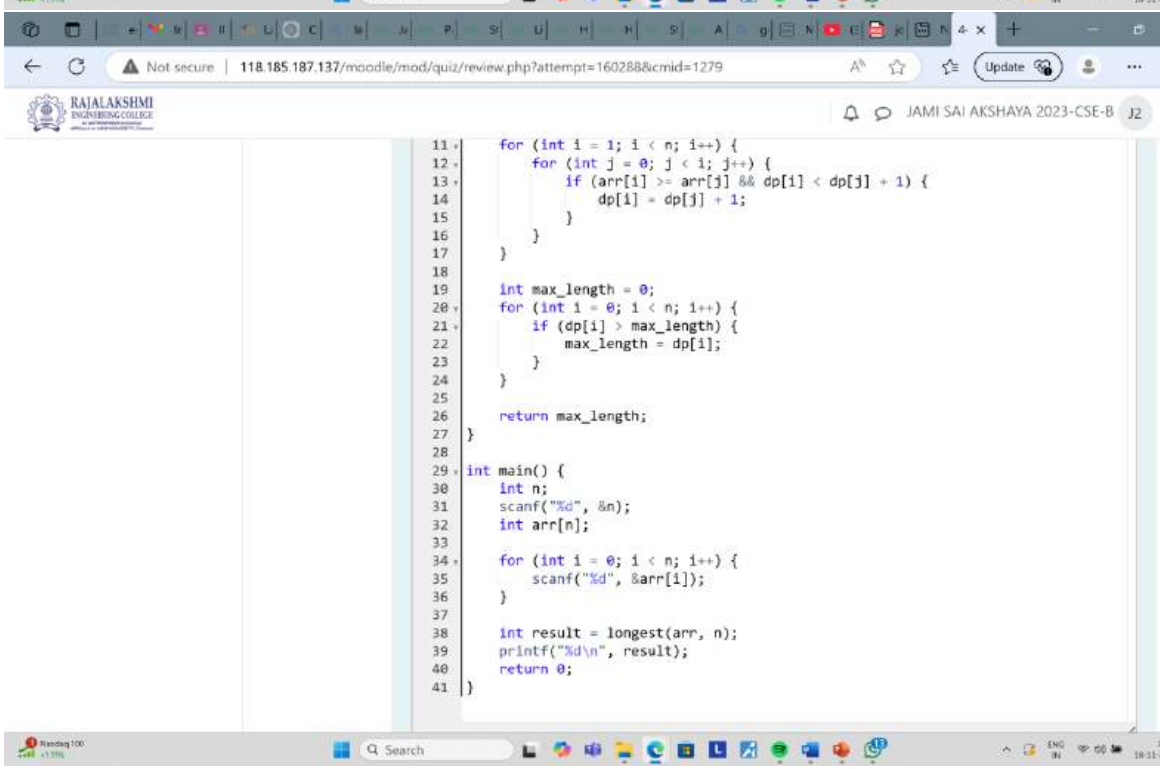

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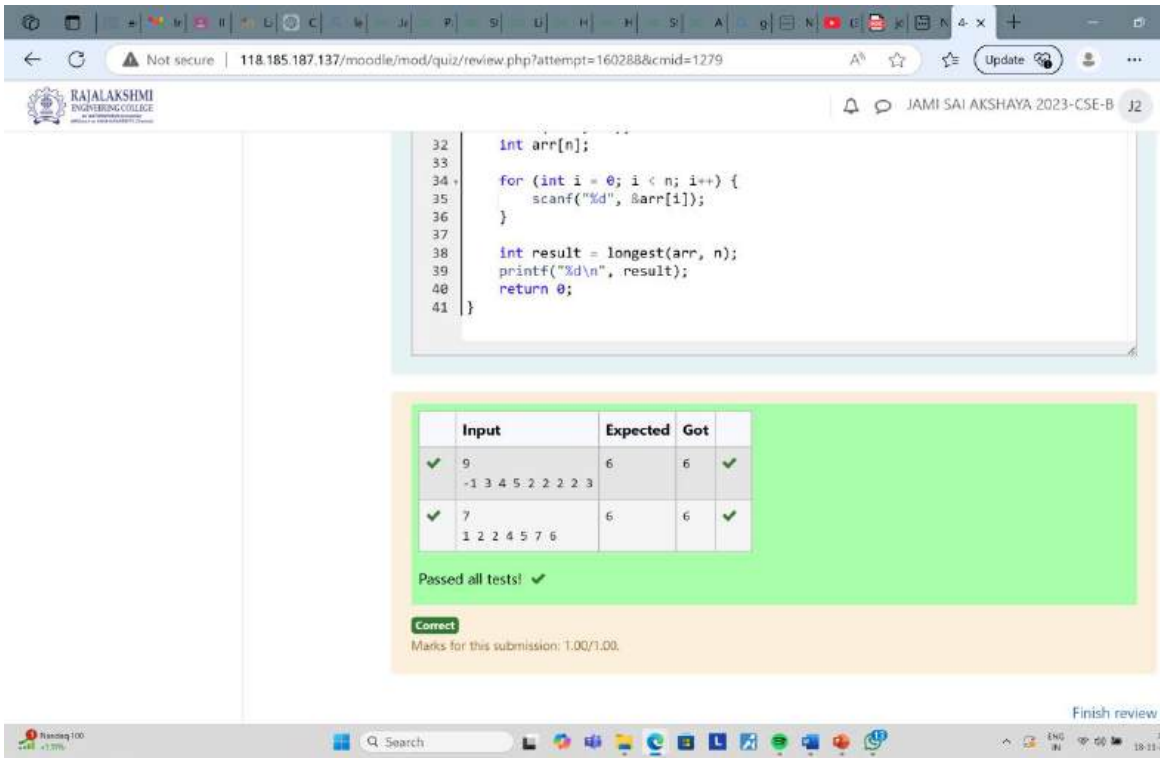
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

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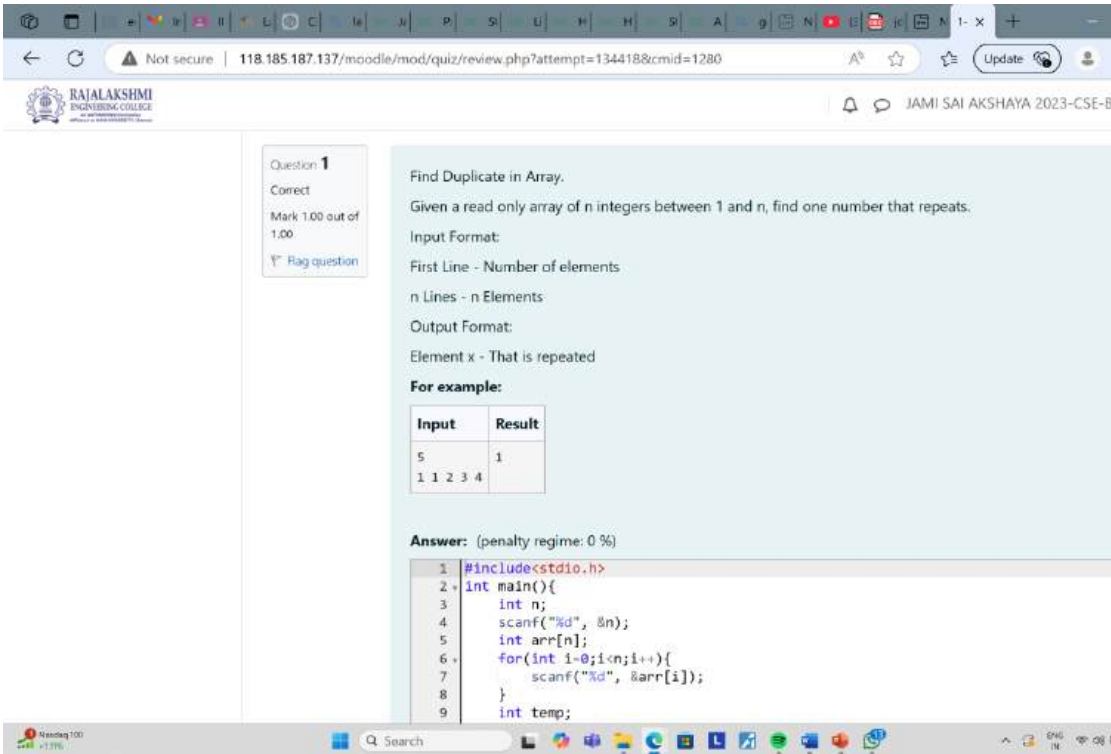

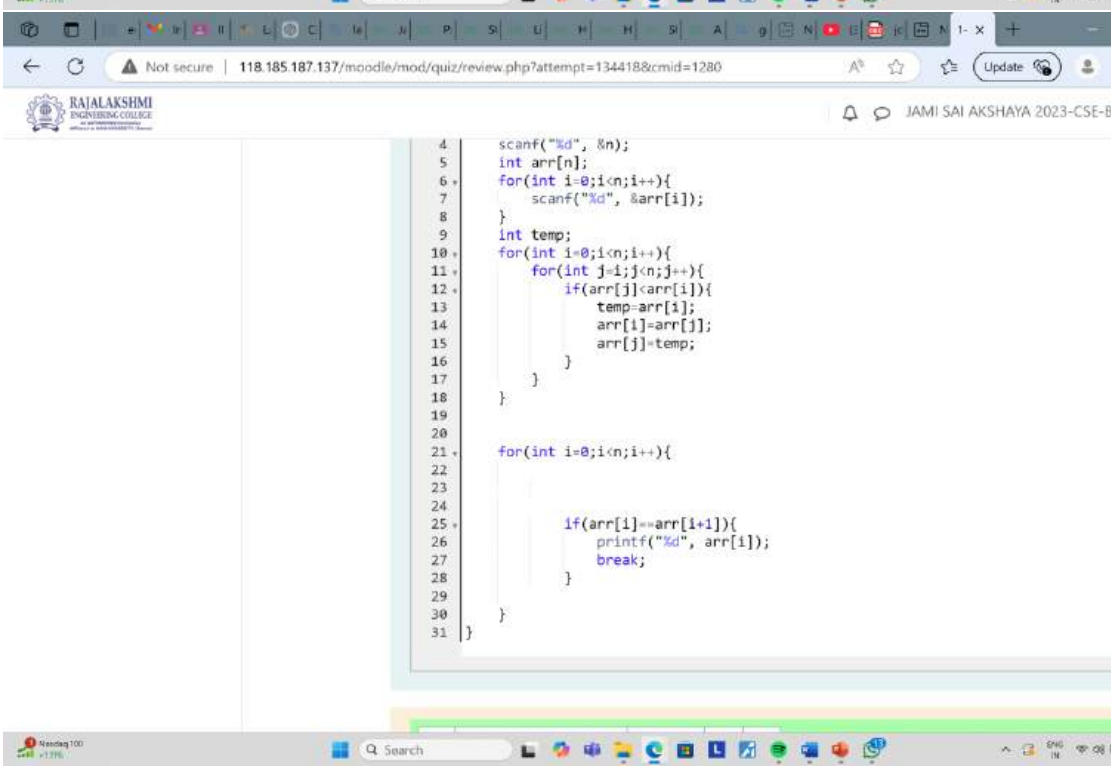

MOODLE PROGRAMS (DAA)

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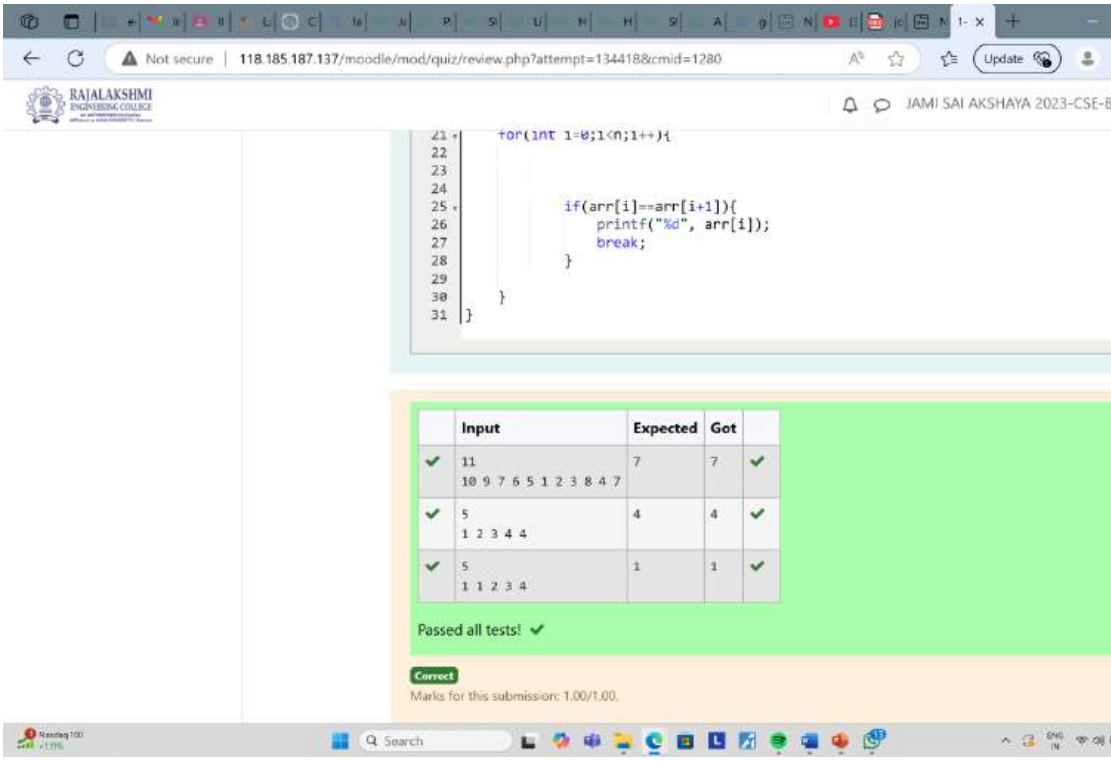

MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
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DEPARTMENT-CSE-B "

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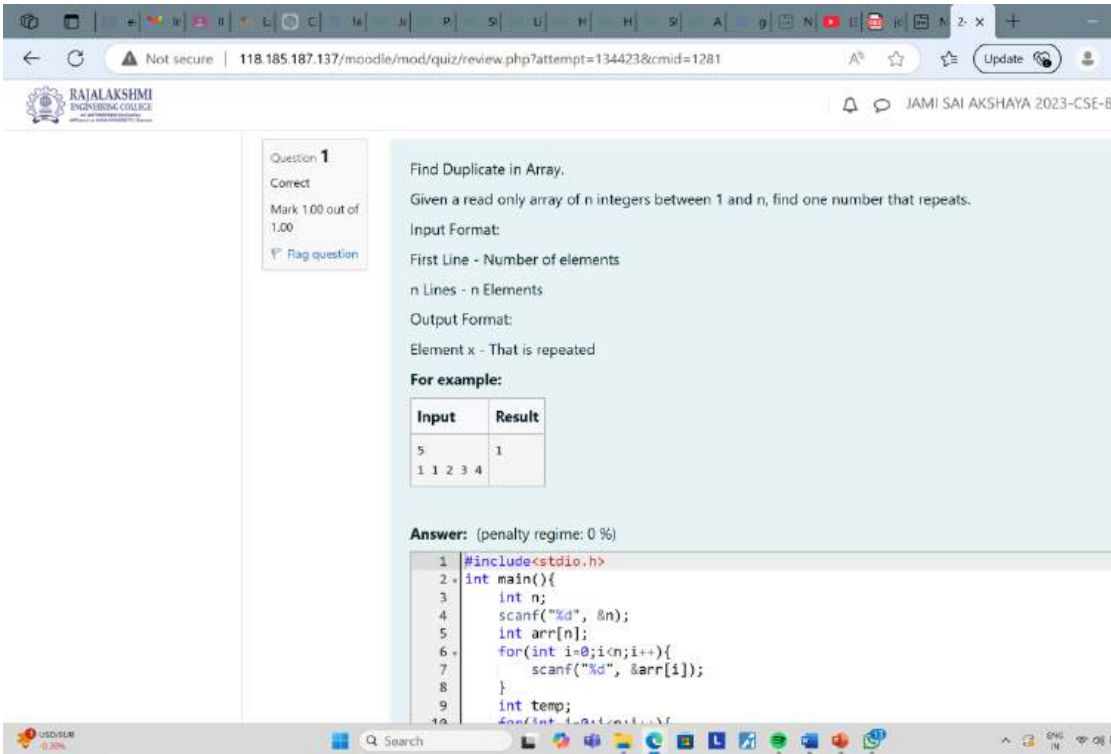

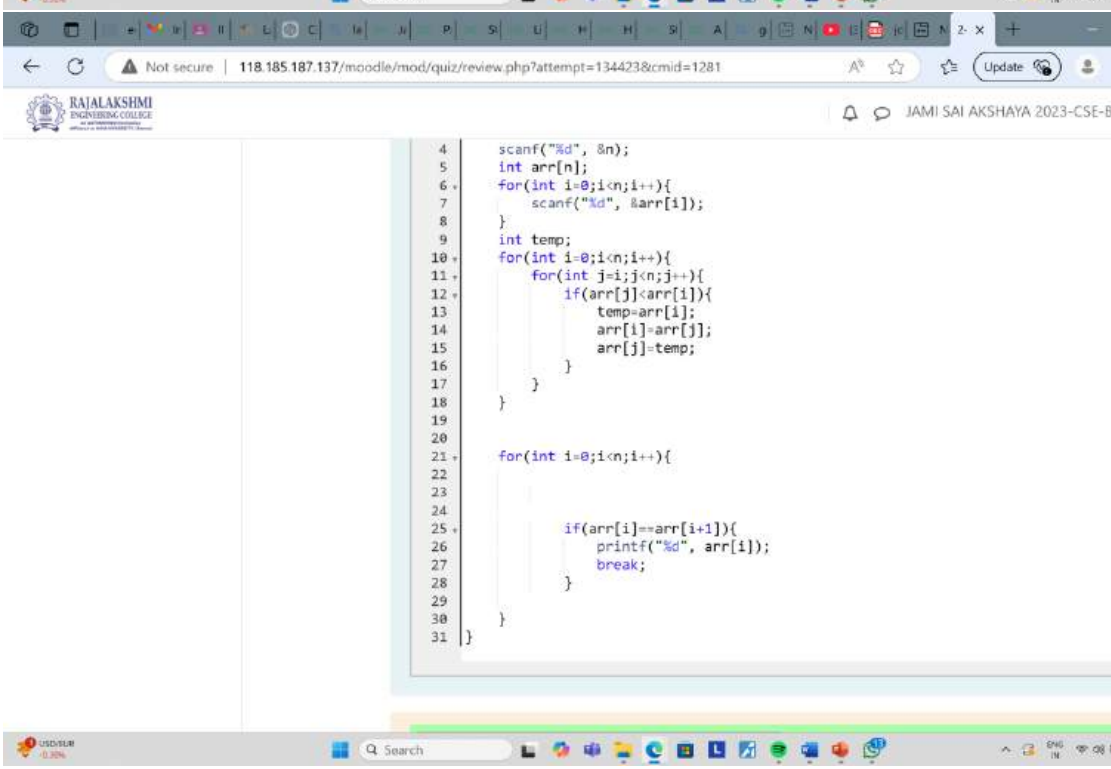

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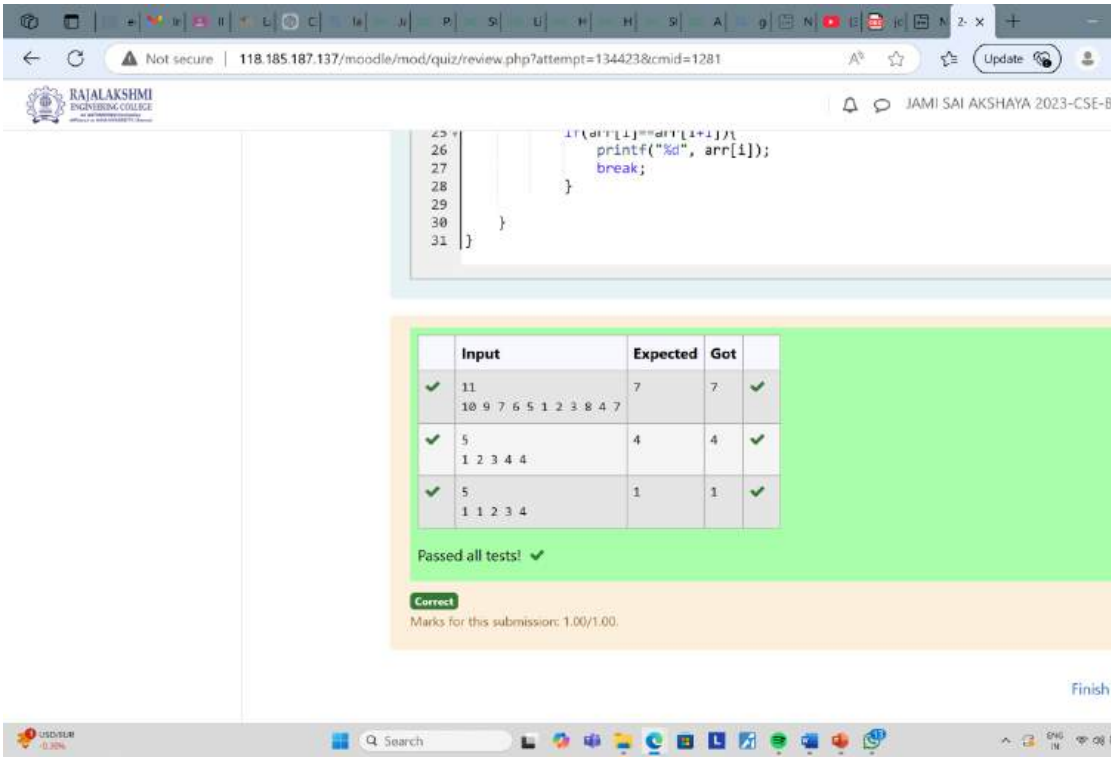
DEPARTMENT-CSE-B "



MOODLE PROGRAMS (DAA)

-BY " NAME: JAMI SAI AKSHAYA
ROLL NO: 230701121
DEPARTMENT-CSE-B "

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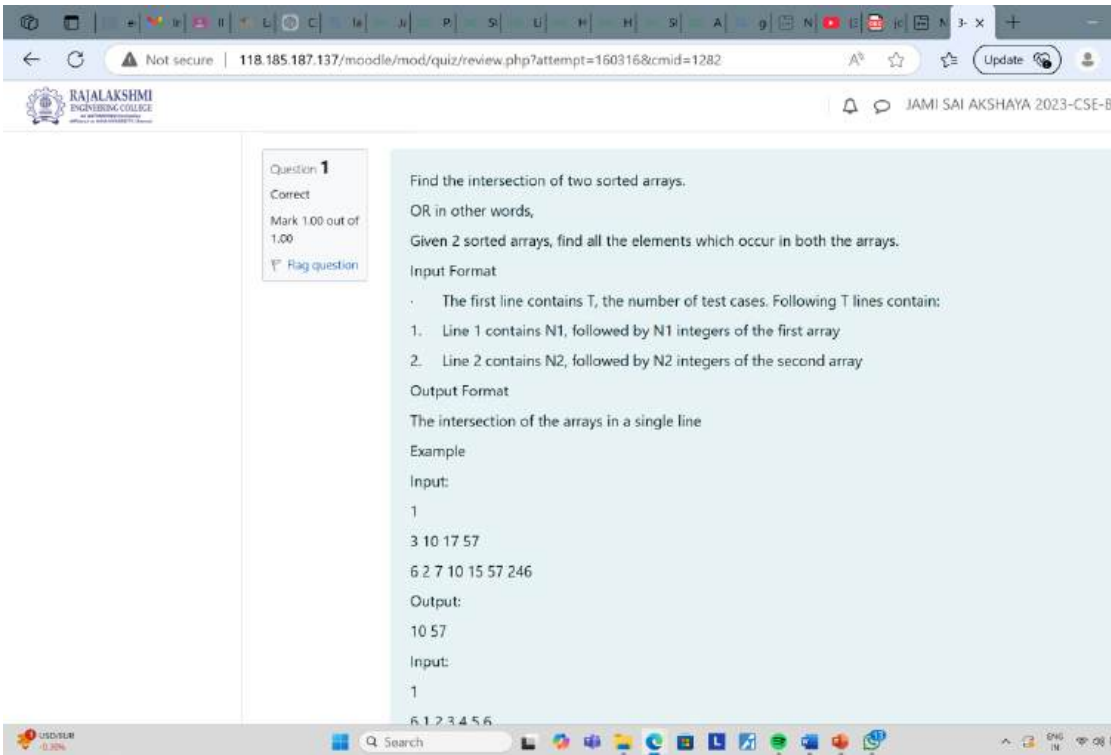

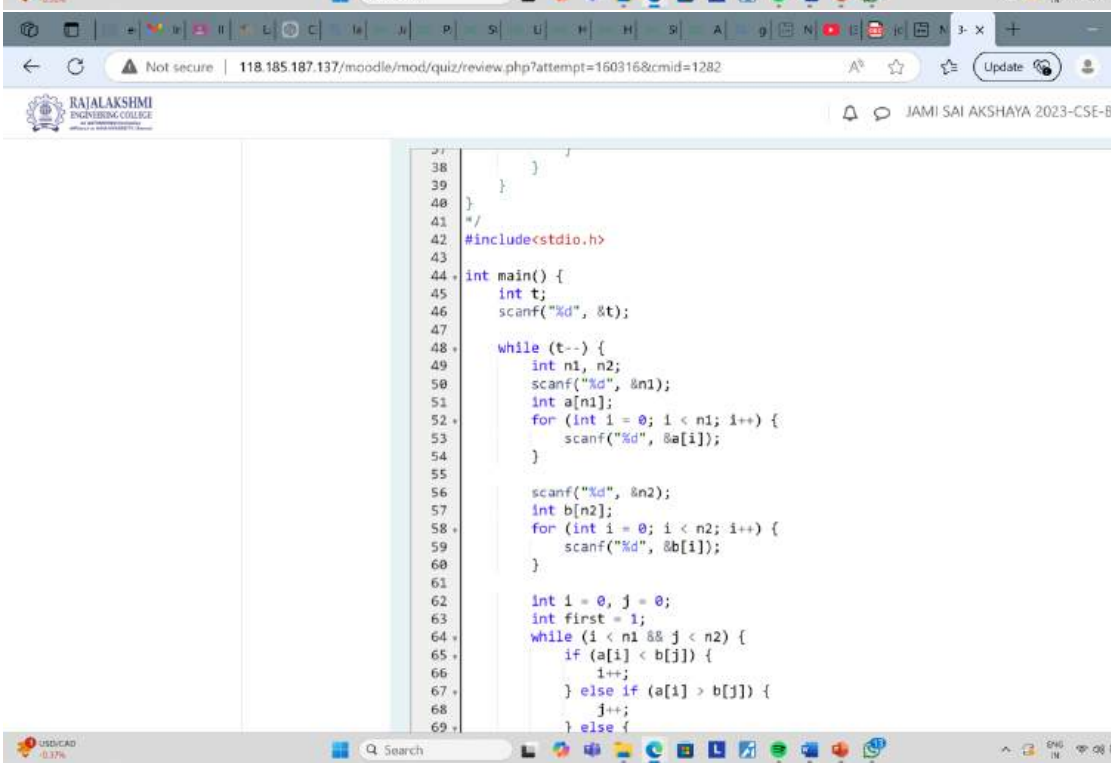

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-BY " NAME: JAMI SAI AKSHAYA
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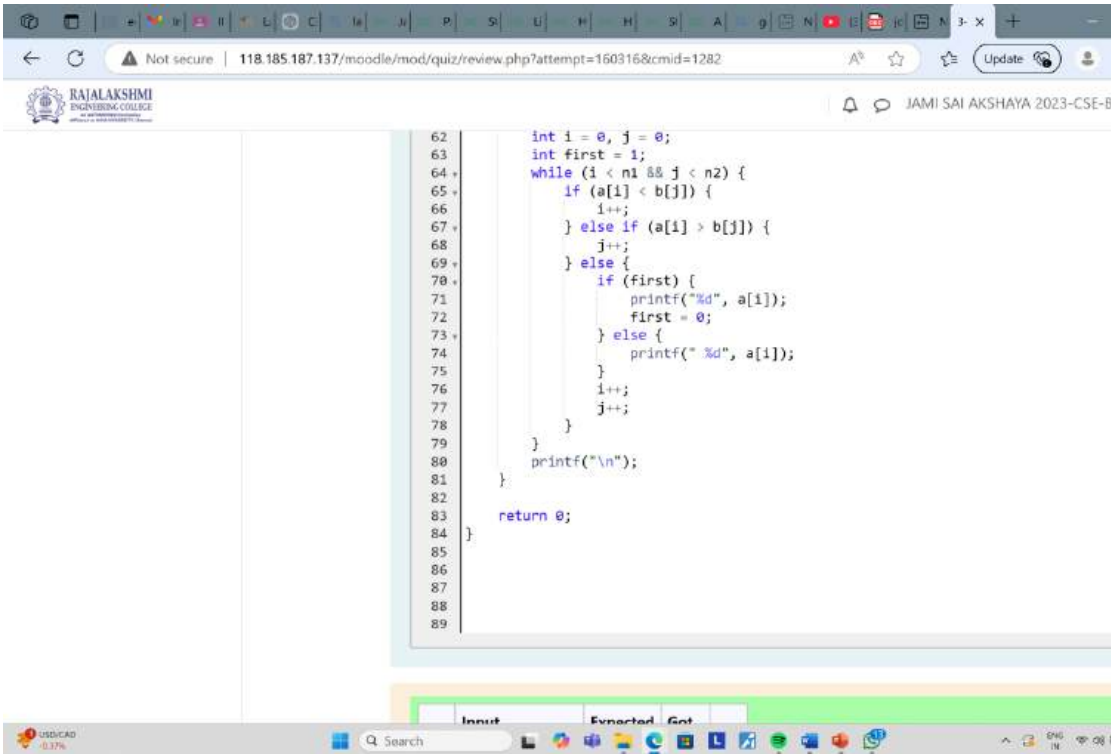
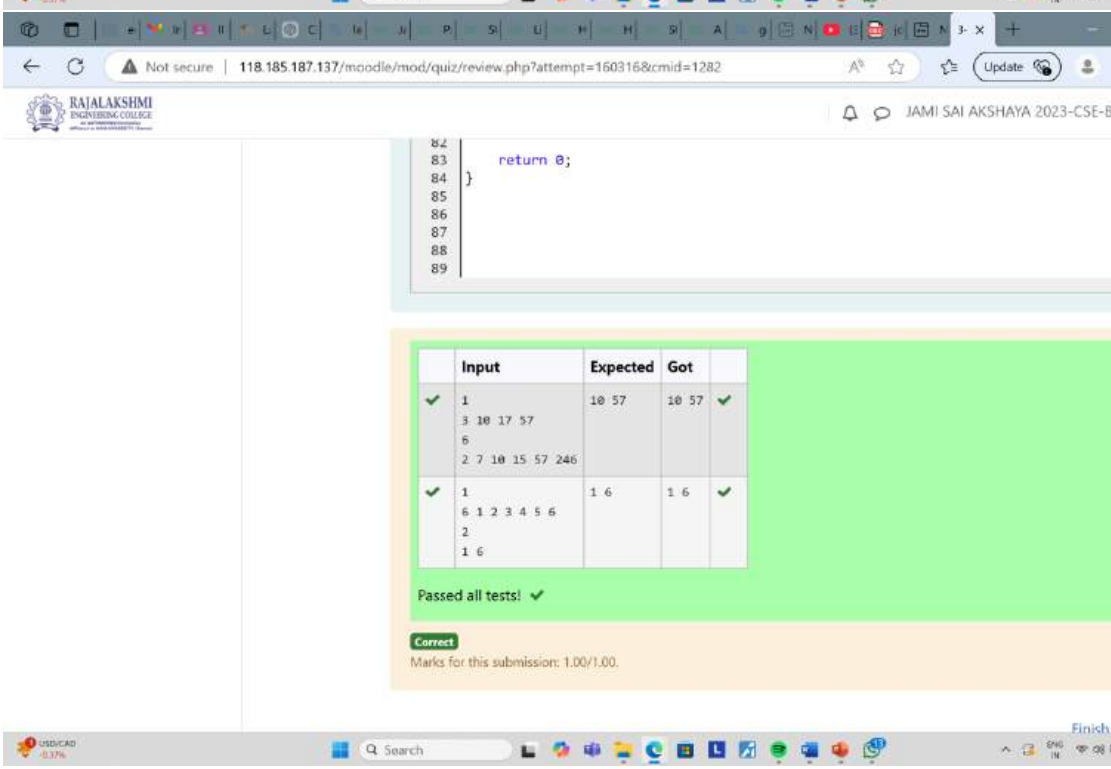
DEPARTMENT-CSE-B "





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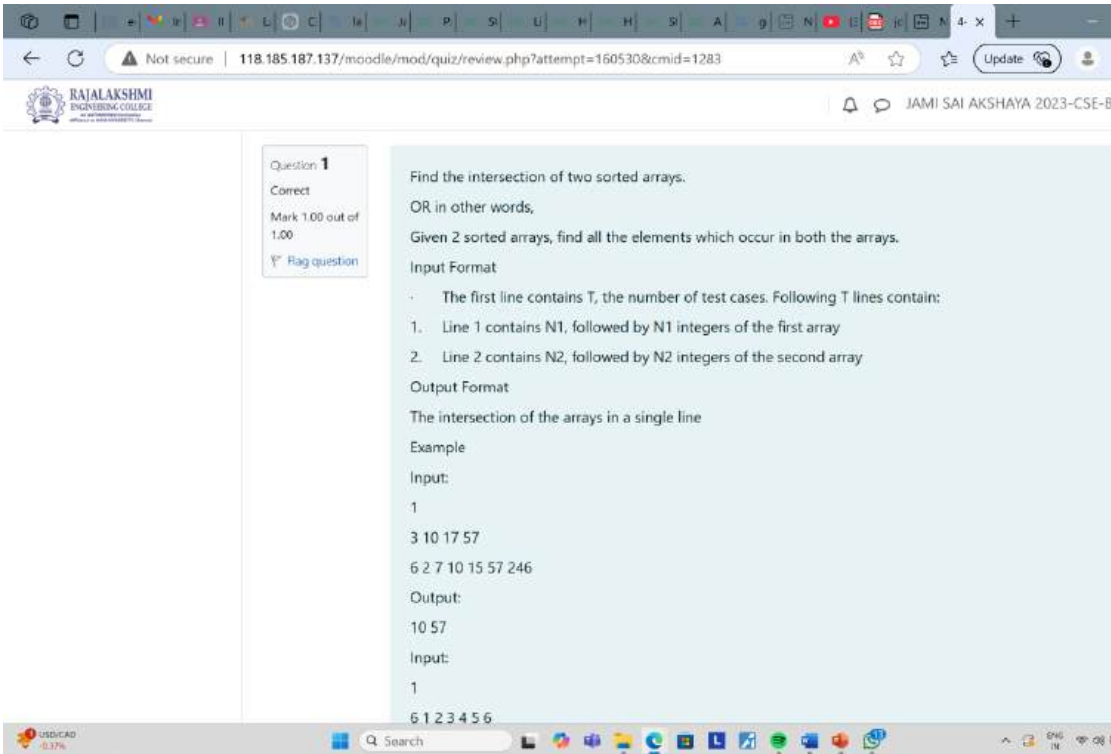

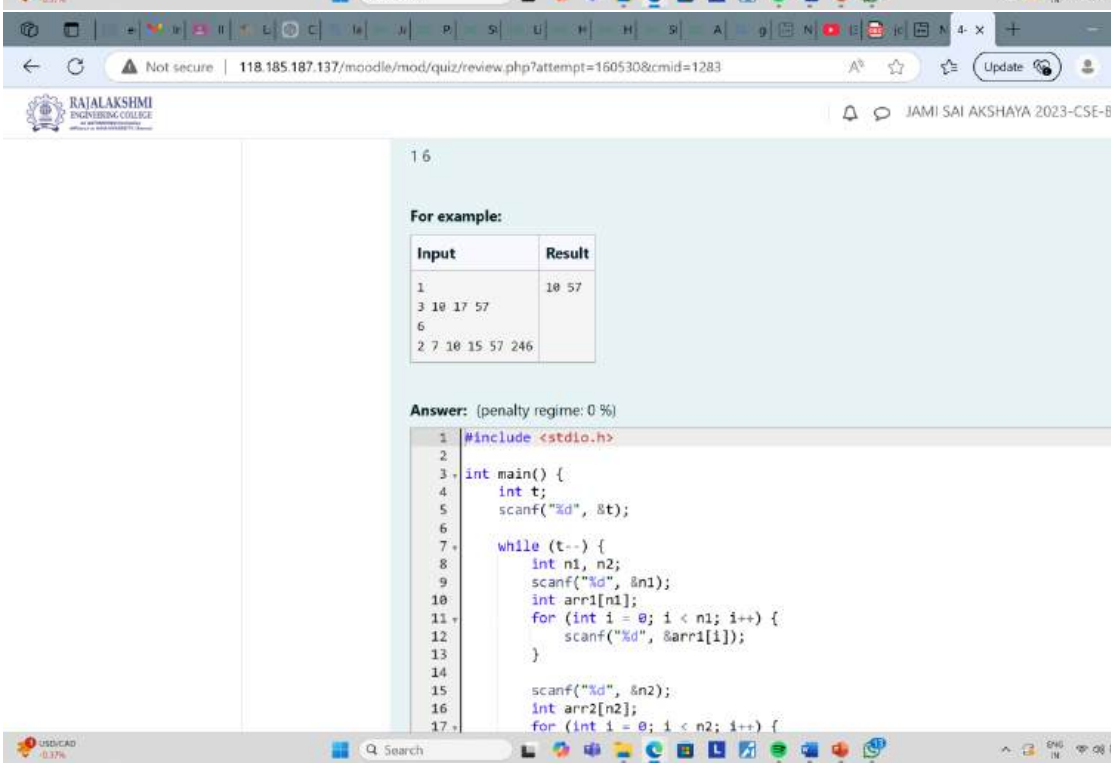

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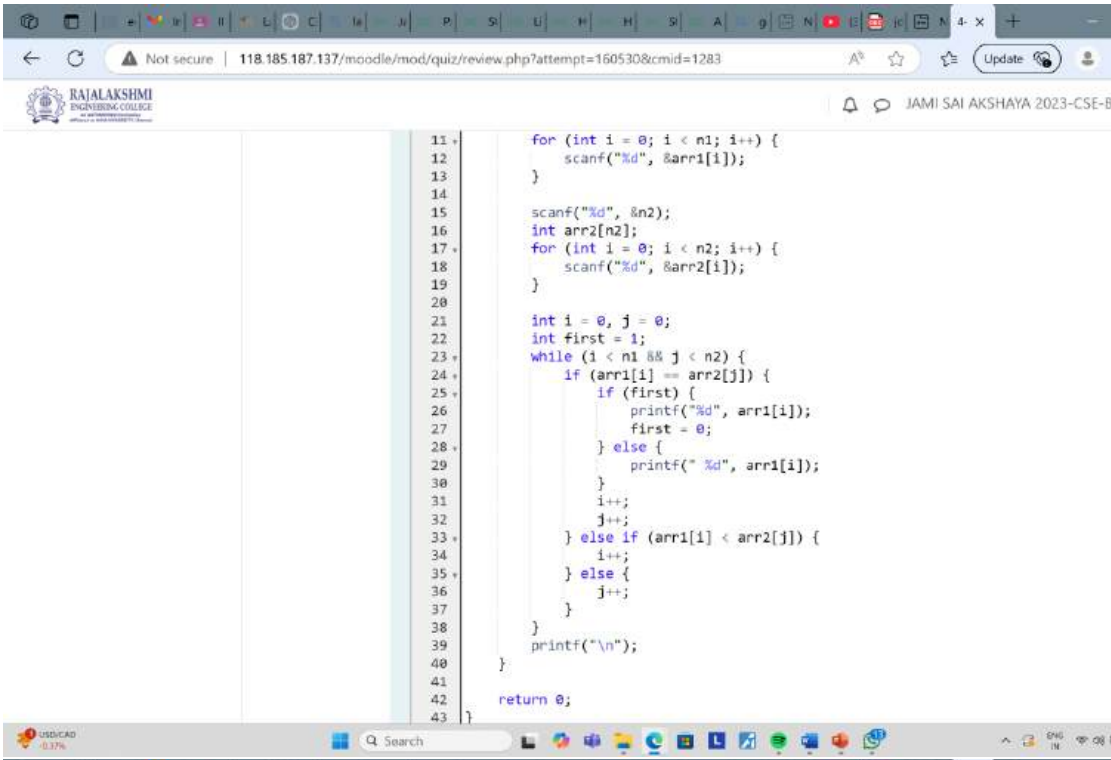

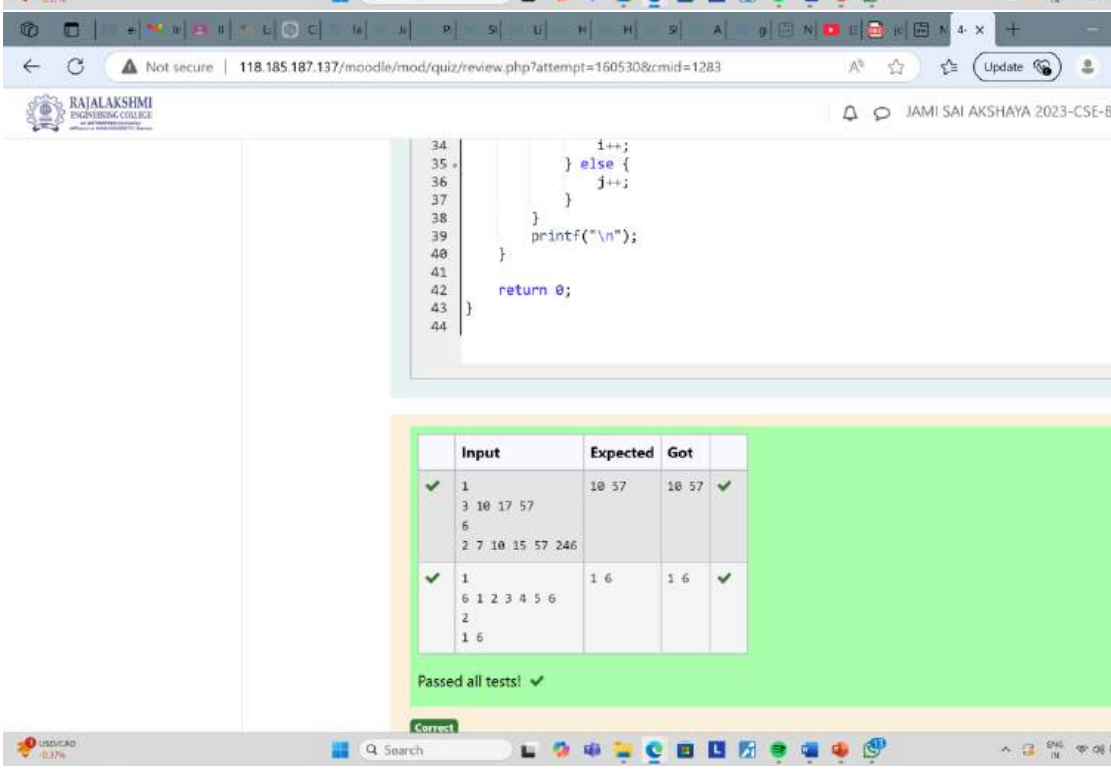

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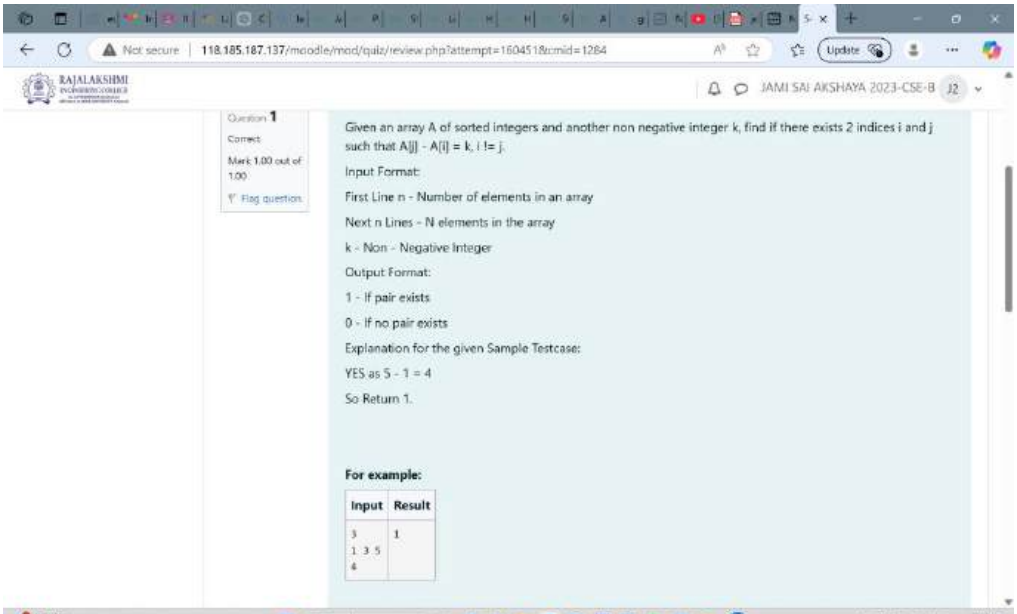

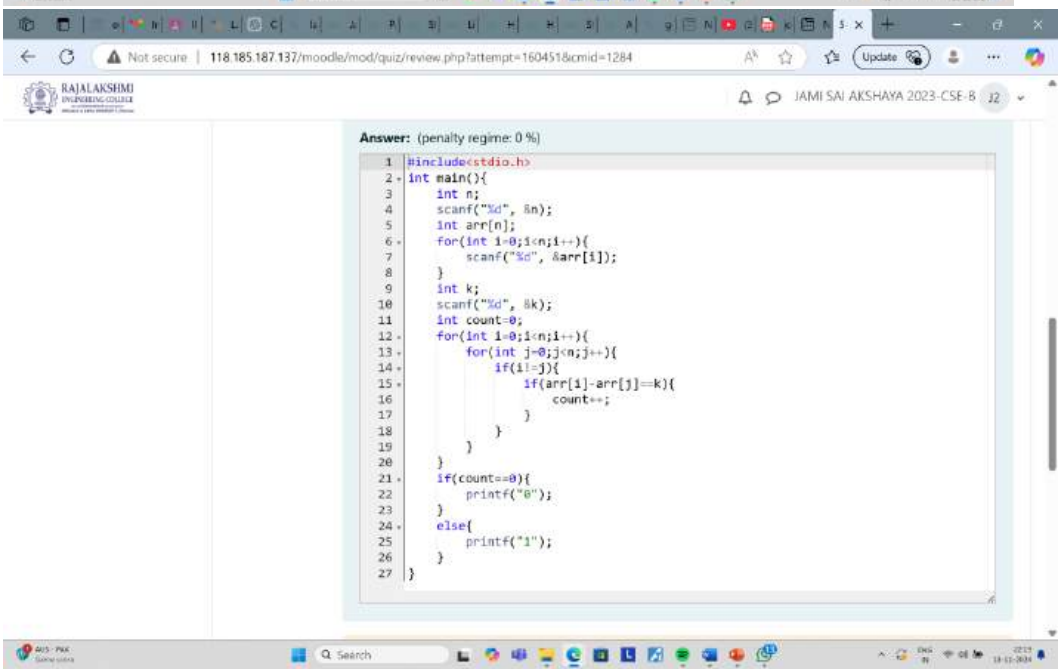

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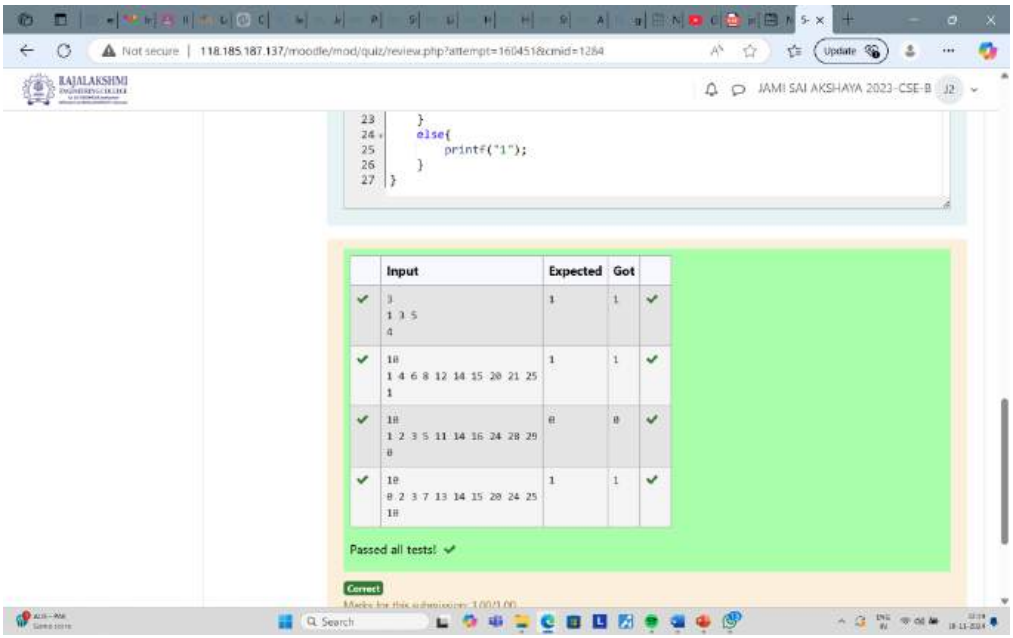

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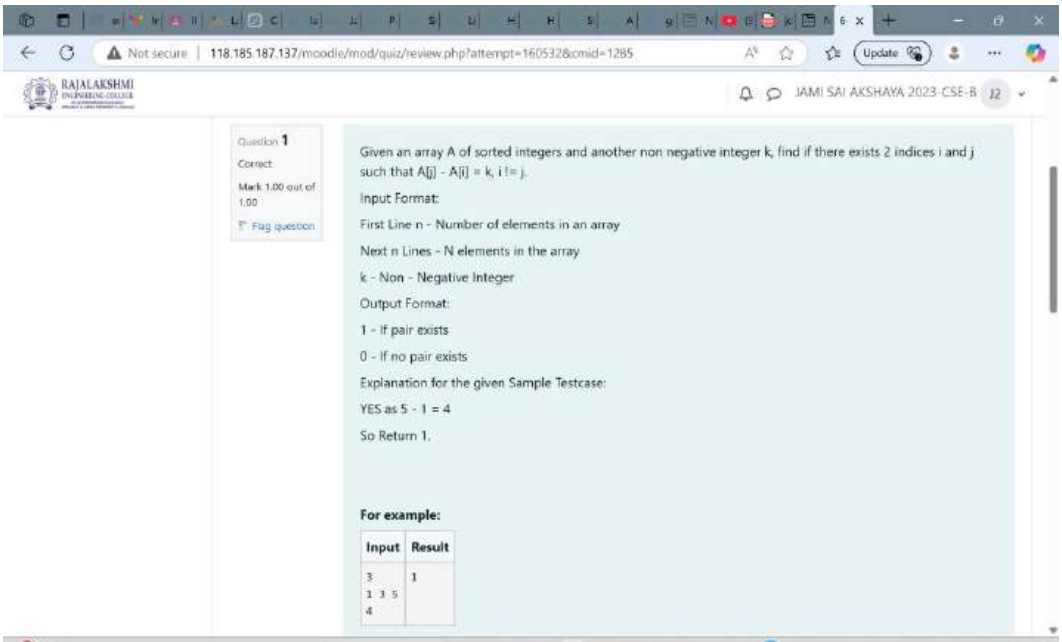

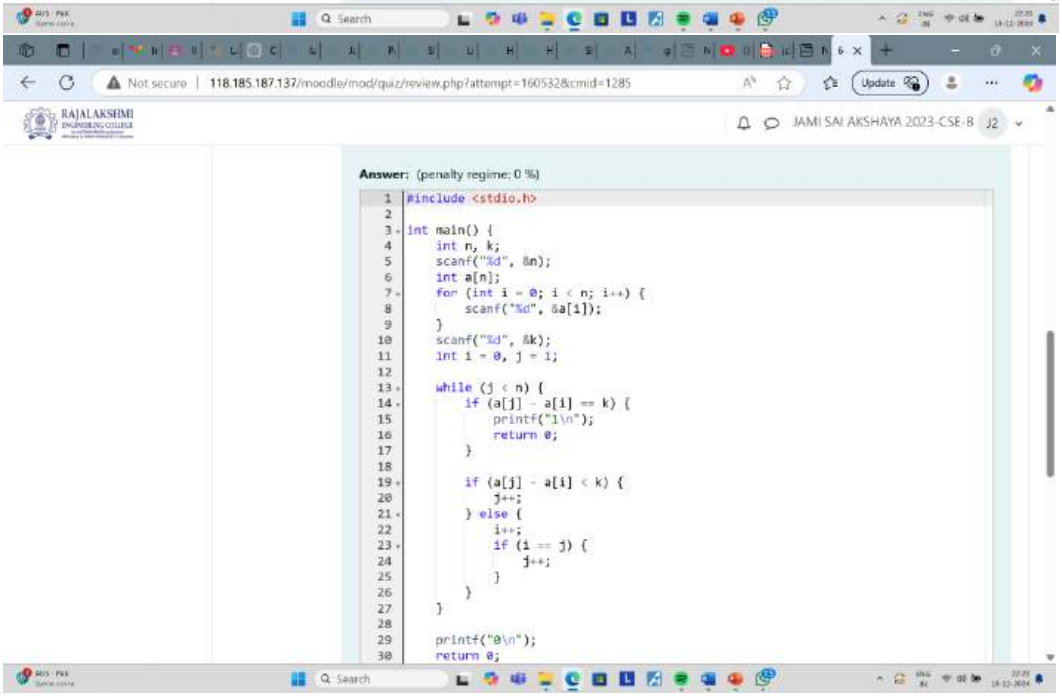

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