

C assignments – 26-Sept-2022 to 1-Oct-2022

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All the questions are typed in comments of the code.

26-Sept-2022

Que.1

```
// Write a program in C to accept two matrices and check wheather they are equal.
#include <stdio.h>
void main()
{
    int ra, rb, ca, cb;
    int i, j;
    int a[ra][ca];
    int b[rb][cb];
    int valueChecker = 1;
    printf("Enter how many rows you want in first matrix\n");
    scanf("%d", &ra);
    printf("Enter how many columns you want in first matrix\n");
    scanf("%d", &ca);
    printf("Enter how many rows you want in second matrix\n");
    scanf("%d", &rb);
    printf("Enter how many columns you want in second matrix\n");
    scanf("%d", &cb);

    if (ra == rb && ca == cb)
    {
        printf("Enter the element of the first matrix.\n");
        for (i = 0; i < ra; i++)
        {
            for (j = 0; j < ca; j++)
            {
                printf("a[%d][%d] = ?\n", i, j);
                scanf("%d", &a[i][j]);
            }
        }
        printf("\nEnter the elements of the second matrix.\n");
        for (i = 0; i < rb; i++)
        {
            for (j = 0; j < cb; j++)
            {
```

```

        printf("b[%d][%d] = ?\n", i, j);
        scanf("%d", &b[i][j]);
    }
}
for (i = 0; i < rb; i++)
{
    for (j = 0; j < cb; j++)
    {
        if (a[i][j] != b[i][j])
            valueChecker = 0;
    }
}
if (valueChecker == 1)
    printf("Two entered matrices are equal.");
else
    printf("Two entered matrices are not equal as their elements are not
equal");
}
else
    printf("Two entered matrices are not equal since their sizes are not
same.");
}
}

```

```

// Write a program to convert a binary number into a decimal number.
#include <stdio.h>
void main(){
    int a,i,j,sum=0;
    printf("Enter your binary number\n");
    scanf("%d",&a);
    for (a, i=1; a>0; a/=10,i+=i ){
        if(a%10==1)
            sum+=i;
    }
    printf("The decimal of the entered binary number is %d\n", sum);
}

```

Que.2

```
// Write a program to convert a binary number into a decimal number.
#include <stdio.h>
int power(int a, int b){
    int c=1 ;
    while(b>0){
        c *= 2;
        b--;
    }
    return c;
}
void main(){
    int binArray[16];
    int a,i,j,sum=0;
    printf("Enter your binary number strictly in 16 bit format.\n");
    scanf("%d",&a);
    for (i=15, j=0; i>=0, j<15; i--,j++){
        binArray[i]=a%10;
        if(a%10==1)
            sum+=power(2,j);
        a/=10;
    }
    printf("The decimal of the entered binary number is %d\n", sum);
}
```

Que3.

```
// Write a program to convert a binary number into a decimal number using math
function.
#include <stdio.h>
#include <math.h>
void main()
{
    int binArray[16];
    int a, i, j, sum = 0;
    printf("Enter your binary number strictly in 16 bit format.\n");
    scanf("%d", &a);
    for (i = 15, j = 0; i >= 0, j < 15; i--, j++)
    {
        binArray[i] = a % 10;
        if (a % 10 == 1)
            sum += pow(2, j);
        a /= 10;
    }
}
```

```
}  
printf("The decimal of the entered binary number is %d\n", sum);  
}
```

Que.4

```
// Write a program to reverse a 1D array.  
  
#include <stdio.h>  
void main()  
{  
    int e, i, j;  
    printf("How many elements you want in your array?\n");  
    scanf("%d", &e);  
    int array[e];  
    int reversed_array[e];  
    printf("Enter the array elements\n");  
    for (i = 0 ; i < e; i++)  
    {  
        printf("array[%d] = ?\n", i);  
        scanf("%d", &array[i]);  
    }  
    // Reversing the array.  
    for (i = e-1, j = 0; i >= 0, j <= e-1; i--, j++)  
    {  
        reversed_array[j] = array[i];  
    }  
    // Printing the reversed array.  
    printf("The reversed array elements are\n");  
    for (i = 0 ; i < e; i++)  
    {  
        printf("%d  ", reversed_array[i]);  
    }  
}
```

Que.5

```
// Write a program to find the second largest element in an array.

#include <stdio.h>
void main()
{
    int e, i;
    printf("How many elements you want in your array?\n");
    scanf("%d", &e);
    int array[e];
    printf("Enter the array elements\n");
    for (i = 0; i < e; i++)
    {
        printf("array[%d] = ?\n", i);
        scanf("%d", &array[i]);
    }
    int max1 = array[0];
    for (i = 0; i < e; i++)
    {
        if (array[i] > max1)
        {
            max1 = array[i];
        }
    }
    printf("%d ", max1);
    int max2 = -2147483648;
    for (i = 0; i < e; i++)
    {
        if (array[i] >= max2 && array[i] < max1)
            // if (array[i] >= max2 )
        {
            max2 = array[i];
        }
    }
    printf("The second largest element in your array is %d ", max2);
}
```

Que.6

```
// Write a program to find the second smallest element in an array.

#include <stdio.h>
void main()
{
```

```

int e, i;
printf("How many elements you want in your array?\n");
scanf("%d", &e);
int array[e];
printf("Enter the array elements\n");
for (i = 0; i < e; i++)
{
    printf("array[%d] = ?\n", i);
    scanf("%d", &array[i]);
}
int min1 = array[0];
for (i = 1; i < e; i++)
{
    if (array[i] < min1)
    {
        min1 = array[i];
    }
}
// printf("%d ", min1);
int min2 = 2147483647;
for (i = 2; i < e; i++)
{
    if (array[i] <= min2 && array[i] > min1)
    {
        min2 = array[i];
    }
}
printf("The second smallest element in your array is %d ", min2);
}

```

27-Sept-2022

Que.1

```

// Write a program to make a calculator using user defined functions.
#include <stdio.h>
#include <stdlib.h>
float adder(float x, float y)
{
    float d = x + y;
    return d;
}

float sub(float x, float y)
{

```

```

    float d = x - y;
    return d;
}

float divider(float x, float y)
{
    float d = x / y;
    return d;
}

void main()
{
    char ch = 'y';
    do{
        float a, b;
        int choice;
        printf("Enter two numbers\n");
        scanf("%f%f", &a, &b);
        printf("Please enter the operation choice: \n 1 -> add \n 2 -> subtract \n 3  
-> divide \n 4 -> exit the program\n");
        scanf("%d", &choice);

        switch (choice)
        {
            case 1:
                printf("The addition of two numbers is %.2f\n", adder(a, b));
                break;
            case 2:
                printf("The subtraction of two numbers is %.2f\n", sub(a, b));
                break;
            case 3:
                printf("The division of two numbers is %.2f\n", divider(a, b));
                break;
            case 4:
                exit(0);
        }
        printf("Do you want to continue?[y/n]\n");
        scanf("%s",&ch);
    }while (ch != 'n');
}

```

Que.2

```
// Write a menu driven program
// choice 1 : Check for perfect number.
// choice 1 : Check for palindrome number.
// choice 1 : Check for Armstrong number.
// Using functions.

// This program may not work in vs code for Armstrong number in VS code but it
worked on other online compilers
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
int perfect(int a)
{
    int sum = 0;
    for (int i = 1; i <= a / 2; i++)
    {
        if (a % i == 0)
            sum += i;
    }
    if (sum == a)
        return 1;
    return 0;
}

int Armstrong(int a)
{
    int b = a, c, sum = 0, count = 0;
    c = a;
    while (c > 0)
    {
        count++;
        c /= 10;
    }
    while (a > 0)
    {
        sum += pow(a % 10, count);
        a /= 10;
    }
    if (sum == b)
        return 1;
    return 0;
}
```



```

int palindrome(int a)
{
    int reversed = 0, r, b = a;
    while (a > 0)
    {
        r = a % 10;
        reversed = reversed * 10 + r;
        a /= 10;
    }
    if (reversed == b)
        return 1;
    return 0;
}

void main()
{
    char option = 'y';
    do
    {
        int x, choice;
        printf("Enter a number\n");
        scanf("%d", &x);
        ABC:
        printf("Enter your choice\n 1 -> To check for a perfect number \n 2 -> To
check for an Armstrong number \n 3 -> To check for a palindrome number.\n");
        scanf("%d", &choice);
        switch (choice)
        {
            case 1:
                if (perfect(x) == 0)
                    printf("The given number is not a perfect number.\n");
                else
                    printf("The given number is a perfect number.\n");
                break;
            case 2:
                if (Armstrong(x) == 1)
                    printf("The given number is an Armstrong number.\n");
                else
                    printf("The given number is not an Armstrong number.\n");
                break;
            case 3:
                if (palindrome(x) == 0)
                    printf("The given number is not a palindrome number.\n");
                else
                    printf("The given number is a palindrome number.\n");

```

```

        break;
    case 4:
        exit(0);
    default:
        printf("Please enter the correct choice out of 1,2,3,4.\n");
        goto ABC;
    }
    printf("Do you want to continue?[y/n]\nAny thing except 'n' will be
treated as 'y' \n");
    scanf(" %c", &option);
} while (option != 'n');
}

```

Que.3

// Write a program to create a function called prime and send any value from main and check if the number is prime or not.

```

#include <stdio.h>

int prime(int a){
    for (int i =2 ; i<= a/2; i++){
        if (a%i==0)
            return 0;
    }
    return 1;
}

void main(){
    int k, l;
    printf("Enter your number\n");
    scanf("%d", &k);
    l = prime(k);
    if (l==1)
        printf("Entered number %d is prime\n", k);
    else
        printf("Entered number %d is not prime\n", k);
}

```

28-Sept-2022

Que.1

```
/* Write a program to pass any function using call by address and perform square
of all the parameters in called function and print the result in calling
function. */
#include <stdio.h>

void squar(int *x, int *y, int *z){
    *x *= *x;
    *y *= *y;
    *z *= *z;
}

void main(){
    int a, b, c;
    printf("Enter your numbers\n");
    scanf("%d%d%d", &a, &b, &c);
    squar(&a, &b, &c);
    printf("The squares are %d %d %d", a, b, c);
}
```

Que.2

```
// Write a program to pass the elements of an array to a function and check how
many numbers are prime.
#include <stdio.h>
int prime(int a)
{
    for (int i = 2; i <= a / 2; i++)
    {
        if (a % i == 0)
            return 0;
    }
    return 1;
}

void main()
{
    int a, count = 0;
```

```

printf("How many array elements do you want?\n");
scanf("%d", &a);
int arr[a];
for (int i = 0; i < a; i++)
{
    printf("a[%d]=? \n", i);
    scanf("%d", &arr[i]);
    if (prime(arr[i]) == 1)
        count++;
}
printf("There are %d prime elements in your array", count);
}

```

Que.3

```

/* Write a program to pass an entire array in a function and square every element
at that array in called function and display that array in both the functions. */
#include <stdio.h>
void squar(int array[], int a)
{
    printf("\nArray elements in called functions are\n");
    for (int i = 0; i < a; i++)
    {
        array[i] *= array[i];
        printf("%d ", array[i]);
    }
}

#include <stdio.h>
void main()
{
    int a;
    printf("How many elements you want in your array?\n");
    scanf("%d",&a);
    int array[a];
    for (int i = 0; i < a; i++)
    {
        printf("array[%d] = ?\n", i);
        scanf("%d", &array[i]);
    }
    squar(array, a);
    printf("\nThe array elements in calling function are\n");
}

```

```

    for (int i = 0; i < a; i++)
    {
        printf("%d ", array[i]);
    }
}

```

Que.4

```

/* Write a program to pass an entire array in a function and square every element
at that array in called function and display that array in both the functions. */
#include <stdio.h>
void squar(int array[], int a)
{
    printf("\nArray elements in called functions are\n");
    for (int i = 0; i < a; i++)
    {
        array[i] *= array[i];
        printf("%d ", array[i]);
    }
}

#include <stdio.h>
void main()
{
    int a;
    printf("How many elements you want in your array?\n");
    scanf("%d",&a);
    int array[a];
    for (int i = 0; i < a; i++)
    {
        printf("array[%d] = ?\n", i);
        scanf("%d", &array[i]);
    }
    printf("The array elements in calling function are\n");
    for (int i = 0; i < a; i++)
    {
        printf("%d ", array[i]);
    }
    squar(array, a);
}

```

Que.5

```
// Write a program to pass only even index elements of an array to a function.
#include <stdio.h>
void evenPrinter(int a, int i)
{
    printf("\narray [%d] = %d \n", i, a);
}

void main()
{
    int a, i;
    printf("How many elements you want in your array?\n");
    scanf("%d", &a);
    int array[a];
    for (i = 0; i < a; i++)
    {
        printf("array[%d] = ?\n", i);
        scanf("%d", &array[i]);
    }
    for (i = 0; i < a; i++)
    {
        if (i % 2 == 0)
            evenPrinter(array[i], i);
    }
}
```

29-Sept-2022

Que.1

```
// Write a program in C to convert a decimal number to binary using
recursion.
#include <stdio.h>
int dec(int x){
    int c;
    c = x%2;
    if (x>1)
        dec(x/2);
    printf("%d", c);
}
```

```

void main(){
    int a,f;
    printf("Enter a decimal number\n");
    scanf("%d",&a);
    dec(a);
}

```

Que.2

// Write a c program to check two given integers and return the value whichever value is nearest to 13 without going over. Return 0 if both numbers go over.

```

#include <stdio.h>
int nearest(int x, int y)
{
    if (x >= 13 && y >= 13)
    {
        return 0;
    }
    else if (x < 13 && y > 13)
    {

        int z = x, r = y, counter1 = 0, counter2 = 0;
        while (z <= 13)
        {
            counter1++;
            z++;
        }
        while (r >= 13)
        {
            counter2++;
            r--;
        }
        if (counter1 < counter2)
            return x;
        else if (counter1 == counter2)
            return 2;
        else
            return y;
    }
    else if (x > 13 && y < 13)

```

```

{
    int z = x, r = y, counter1 = 0, counter2 = 0;
    while (z >= 13)
    {
        counter1++;
        z--;
    }
    while (r <= 13)
    {
        counter2++;
        r++;
    }
    if (counter1 < counter2)
        return x;
    else if (counter1 == counter2)
        return 2;
    else
        return y;
}
}

void main()
{
    int a, b, near;
    printf("Enter two numbers\n");
    scanf("%d%d", &a, &b);
    near = nearest(a, b);
    if(nearest(a,b)!=0 && nearest(a,b)!=2)
        printf("The nearest number to 13 is %d ", near);
    else if (nearest(a,b)==2)
        printf("Both the numbers share the same distance from 13");
    else
        printf("Both the numbers go over 13");
}

```

Que.3

```

// Write a program in C to count the digit in a given number using
recursion.
#include <stdio.h>
int counter(int x, int y){
    int c = x%10;
    if (x==0)

```



```

    return 0;
    else if (c == y)
        return 1+counter(x/10,y);
    else
        return counter(x/10,y);
}
void main()
{
    int a,b, count;
    printf("Enter your number\n");
    scanf("%d", &a);
    printf("Enter your digit\n");
    scanf("%d", &b);
    count = counter(a,b);
    printf("The digit occurred %d times",count);
}

```

Que.4

```

// Write a program in C to convert a decimal number to binary using
recursion.
#include <stdio.h>
int dec(int x){
    int c;
    c = x%2;
    if (x>1)
        dec(x/2);
    printf("%d", c);
}
void main(){
    int a,f;
    printf("Enter a decimal number\n");
    scanf("%d",&a);
    dec(a);
}

```

Que.5

```
// Write a c program to check two given integers and return the value whichever
value is nearest to 13 without going over. Return 0 if both numbers go over.
#include <stdio.h>
int nearest(int x, int y)
{
    if (x >= 13 && y >= 13)
    {
        return 0;
    }
    else if (x < 13 && y > 13)
    {
        if (13 - x < y - 13)
            return x;
        else if (13 - x == y - 13)
            return 2;
        else
            return y;
    }
    else if (x > 13 && y < 13)
    {
        if (x - 13 < 13 - y)
            return x;
        else if (x - 13 == 13 - y)
            return 2;
        else
            return y;
    }
    else
    {
        if (13 - x < 13 - y)
            return x;
        else if (x - 13 == 13 - y)
            return 2;
        else
            return y;
    }
}
void main()
{
    int a, b, near;
    printf("Enter two numbers\n");
    scanf("%d%d", &a, &b);
    near = nearest(a, b);
```

```

    if (nearest(a, b) != 0 && nearest(a, b) != 2)
        printf("The nearest number to 13 is %d ", near);
    else if (nearest(a, b) == 2)
        printf("Both the numbers share the same distance from 13");
    else
        printf("Both the numbers go over 13");
}

```

Que.6

```

// WAP for power function using recursion..
#include <stdio.h>
int power(int a, int b)
{
    if (b == 0)
        return 1;
    else
        return a * power(a, b - 1);
}
void main()
{
    int a, b, pow;
    printf("Enter a number to make power of\n");
    scanf("%d", &a);
    printf("Enter the value which you want to power the number by\n");
    scanf("%d", &b);
    pow = power(a, b);
    printf("The power of %d by %d is %d", a, b, pow);
}

```

Que.7

```

//Write a program to check if a triple is present in an array of integers or not.
If the value appears three times in a row in an array is called triple.
#include <stdio.h>
void main(){
    int a, i, c=0;
    printf("How many elements you want in your array?\n");
    scanf("%d", &a);
    int array[a+2];
    for(i=0; i<a; i++){
        printf("array[%d]=?\n", i);
    }
}

```

```

        scanf("%d",&array[i]);
    }
    for(i=0; i<a; i++){
        if(array[i] == array[i+1] && array[i] == array[i+2]){
            c=1;
            printf("%d is present for 3 times contiguously.", array[i]);
        }
    }
    if (c==0)
        printf("No element repeated for 3 times contiguously.");
}

```

1-Oct-2022

Que1.

```

// Write a program to read a character from user and print the character is
vowel, comsonent Or number...
#include <stdio.h>
void main()
{
    char c;
    printf("Enter an alphabet/digit:\n");
    scanf("%c", &c);
    if (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u' || c == 'A' || c
== 'E' || c == 'I' || c == 'O' || c == 'U')
        printf("\'%c\' is a vowel.", c);
    else if (c >= '0' && c<='9' )
        printf("\'%c\' is a number",c);
    else
        printf("\'%c\' is a consonant.", c);
}

```

Que2.

```

// Write a program to read a character from user and check ther character is
upper case Or lower case..
#include <stdio.h>
void main()
{
    char c;
    printf("Enter an alphabet:\n");
}

```

```

scanf("%c", &c);
if(c>='a' && c<='z')
printf("Entered alphabet is lowercase");
else if(c>='A' && c<='Z')
printf("Entered alphabet is uppercase");
else
printf("Entered character is not an alphabet");
}

```

Que3.

```

// Write a program to read a 2 character from user and multiply them...
#include <stdio.h>
void main()
{
    char ch1, ch2;
    int mul;
A:
    printf("Enter first character\n");
    scanf(" %c", &ch1);
    printf("Enter second character\n");
    scanf(" %c", &ch2);
    if (ch1 >= 48 && ch1 <= 57 && ch2 >= 48 && ch2 <= 57)
    {
        mul = (ch1 - 48) * (ch2 - 48);
        printf("The multiplication is %d\n", mul);
    }
    else
    {
        printf("The input character should range between 0-9\n");
        goto A;
    }
}

```

Que4.

```

// Write a program to read a string from user and display only vowels...
#include <stdio.h>
void main()
{
    char str[20];
    printf("Enter your string\n");
    gets(str);
    printf("The vowels in the string are\n");
}

```

```

    for(int i=0; i<20; i++){
        if(str[i]=='a' || str[i]=='e' || str[i]=='i' || str[i]=='o' || str[i]=='u' ||
str[i]=='A' || str[i]=='E' || str[i]=='I' || str[i]=='O' || str[i]=='U')
            printf("%c ", str[i]);
        }
    }
}

```

Que5.

```

// Write a program to read a string from user and display the count of vowels and
consonants...
#include <stdio.h>
void main()
{
    char str[20];
    int c1=0,c2=0;
    printf("Enter your string\n");
    gets(str);
    for(int i=0; i<20; i++){
        if(str[i]=='a' || str[i]=='e' || str[i]=='i' || str[i]=='o' || str[i]=='u' ||
str[i]=='A' || str[i]=='E' || str[i]=='I' || str[i]=='O' || str[i]=='U')
            c1++;
        else if(str[i]=='\0')
            break;
        else if(str[i]!=' ')
            c2++;
        }
    printf("The vowels in the string are : %d\n", c1);
    printf("The consonants in the string are : %d", c2);
}

```

Que6.

```

// Write a program to pass every element of 2D array to a function and
print only those elements which are prime. Read elements from the user.
#include <stdio.h>
void primechecker(int a){
    int shivgami = 1;
    for(int i = 2;i<=a/2;i++){
        if(a%i==0){
            shivgami=0;
            break;
        }
    }
}

```

```

        if(shivgami ==1 && a!=1)
            printf("%d ",a);
    }

void main(){
    int r,c;
    printf("Enter the number of rows in your array?\n");
    scanf("%d", &r);
    printf("Enter the number of columns in your array?\n");
    scanf("%d", &c);
    int array[r][c];
    for(int j = 0; j<r;j++){
        for (int k = 0;k<c;k++){
            printf("Array[%d][%d]?\n",j,k);
            scanf("%d", &array[j][k]);
        }
    }
    printf("The prime elements in the array are.\n");
    for(int j = 0; j<r;j++){
        for (int k = 0;k<c;k++){
            primechecker(array[j][k]);
        }
    }
}

```

Que7.

```

// Write a program to pass every element of 2D array to a function and
five count of even and odd numbers.
#include <stdio.h>
static int c1, c2;
void checker(int x)
{
    // c1 = 0, c2 = 0;
    if (x % 2 == 0)
        c1++;
    else
        c2++;
}

void main()
{
    int r, c;

```

```

static int count1 = 0, count2 = 0;
printf("Enter the number of rows in your array?\n");
scanf("%d", &r);
printf("Enter the number of columns in your array?\n");
scanf("%d", &c);
int array[r][c];
for (int j = 0; j < r; j++)
{
    for (int k = 0; k < c; k++)
    {
        printf("Array[%d][%d]?\n", j, k);
        scanf("%d", &array[j][k]);
        checker(array[j][k]);
    }
}
printf("The even elements are %d \n", c1);
printf("The odd elements are %d \n", c2);
}

```

Que8.

```

// Write a program to pass complete 2D array to a function and cube every
element of 2D array and display in calling and called function.

#include <stdio.h>
int r, c;
void cube(int array[r][c])
{
    printf("\nArray elements in called functions are\n");
    for (int j = 0; j < r; j++)
    {
        for (int k = 0; k < c; k++)
        {
            array[j][k] *= array[j][k] * array[j][k];
            printf("%d ", array[j][k]);
        }
    }
}

#include <stdio.h>
void main()
{
    printf("Enter the number of rows in your array?\n");
}

```



```

scanf("%d", &r);
printf("Enter the number of columns in your array?\n");
scanf("%d", &c);
int array[r][c];
for (int j = 0; j < r; j++)
{
    for (int k = 0; k < c; k++)
    {
        printf("array[%d][%d]=?\n",j,k);
        scanf("%d", &array[j][k]);
    }
}

cube(array);
printf("\nThe array elements in calling function are\n");
for (int j = 0; j < r; j++)
{
    for (int k = 0; k < c; k++)
    {
        printf("%d ", array[j][k]);
    }
}
}

```

Que9.

```

// Write a program to pass 2 complete 2 D array to a function and check
they are equal or not. If equal then return 1 otherwise return 0 in
calling function...
#include <stdio.h>
int ra, rb, ca, cb;
int equalChecker(int array1[ra][ca], int array2[rb][cb])
{
    for (int j = 0; j < ra; j++)
    {
        for (int k = 0; k < ca; k++)
        {
            if (array1[j][k] != array2[j][k])
            {
                return 0;
                break;
            }
        }
    }
}

```

```

        else
            return 1;
    }
}
}
void main()
{
    printf("Enter the number of rows in your array1?\n");
    scanf("%d", &ra);
    printf("Enter the number of columns in your array2?\n");
    scanf("%d", &ca);
    printf("Enter the number of rows in your array1?\n");
    scanf("%d", &rb);
    printf("Enter the number of columns in your array2?\n");
    scanf("%d", &cb);
    int array1[ra][ca];
    int array2[rb][cb];
    if (ra == rb && ca == cb)
    {
        printf("\nEnter the elements of the array1\n");
        for (int j = 0; j < ra; j++)
        {
            for (int k = 0; k < ca; k++)
            {
                printf("array1[%d][%d]=?\n", j, k);
                scanf("%d", &array1[j][k]);
            }
        }
        printf("\nEnter the elements of the array2\n");
        for (int j = 0; j < rb; j++)
        {
            for (int k = 0; k < cb; k++)
            {
                printf("array2[%d][%d]=?\n", j, k);
                scanf("%d", &array2[j][k]);
            }
        }

        if (equalChecker(array1, array2) == 1)
            printf("Both the arrays are equal.");
        else
            printf("Two entered matrices are not equal as their elements are not equal.");
    }
}

```

```
}  
  
    else  
        printf("Two entered matrices are not equal since their sizes are  
not same.");  
}
```