```
1 #include (stdio.h)
2 int checkPrime(int n);
3 int main() {
    int n, i, flag - 0;
     printf("Enter a positive integer: ");
     scanf("%d", &n);
     for (i = 2; i <= n / 2; ++i) {
       if (checkPrime(i) == 1) (
         if (checkPrime(n - i) == 1) {
           printf("%d = %d + %d\n", n, i, n - i);
           flag = 1;
     if (flag == 0)
       printf("%d cannot be expressed as the sum of two prime numbers.", n);
     return 0;
26 int checkPrime(int n) {
27   int i, isPrime = 1;
       isPrime = 0;
       for(i = 2; i <= n/2; ++i) {
         if(n % i == 0) {
           isPrime = 0;
42 return isPrime;
```

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PS C:\Uses=\lakehanna\lapphata\Local\Tempo ed
Enter a positive integer: 34
34 - 3 + 31
34 - 3 + 25
24 - 11 + 23
24 - 11 + 27
PS C:\Uses=\lakehannan\lapphata\Local\Tempo

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```
1 #include (stdio.h)
 4 int checkPrimeNumber(int number)
        for (i = 2; i <= number / 2; ++i) {
            if (number % i == 0) (
                f = 0;
22 int main()
        int num1, num2, j, f;
        printf("enter the two ranges");
        scanf("%d%d",&num1,&num2);
        for (j = num1; j < num2; ++j) {
           f = checkPrimeNumber(j);
            if (f == 1) {
                printf("%d ", j);
                                                                                                                                                                                                                                            [] Cado + - [] ■ ... ×
```

PROBLEMS CUTTRUT DEBUG CONSOLS TERMINAL

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```
#include <stdio.h>
#include <conio.h>
#include <conio.h>

woid main()

int num1, num2, max_div, flag = 1;

// accept any two positive number from the user

printf( "Enter any two positive numbers to get the LCM \n ");

scanf( "%d %d", &num1, &num2);

// max_div variable holds the max divisible number between num1 and num2.

max_div = (num1 > num2) ? num1 : num2;

while (flag) // (flag = 1)

{
    if (max_div % num1 == 0 && max_div % num2 == 0)
    {
        printf( "The LCM of %d and %d is %d. ", num1, num2, max_div);
        break;
    }

++max_div; // pre-increment max_div
}

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```

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```
#include <stdio.h>
int hcf(int n1, int n2);
int main() {
    int n1, n2;
    printf("Enter two positive integers: ");
    scanf("%d %d", &n1, &n2);
    printf("G.C.D of %d and %d is %d.", n1, n2, hcf(n1, n2));
    return 0;
}

int hcf(int n1, int n2) {
    if (n2 != 0)
        return hcf(n2, n1 % n2);
    else
    return n1;
}
```

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```
1 #include <stdio.h>
             3 int find_anagram(char [], char []);
           5 int main()
                                     char array1[100], array2[100];
                                     int flag;
                                    printf("Enter the string\n");
                                     gets(array1);
                                    printf("Enter another string\n");
                                     gets(array2);
                                     flag = find_anagram(array1, array2);
                                     if (flag -- 1)
                                                printf("%s and %s are anagrams.\n", array1, array2);
                                                 printf(" %s and %s are not anagrams. \n", array1, array2);
                                     return 0;
       22 int find_anagram(char array1[], char array2[])
                                     int num1[26] = {0}, num2[26] = {0}, i = 0;
                                     while (array1[i] != '\0')
                                                  num1[array1[i] - 'a']++;
                                     while (array2[i] != '\0')
                                                  num2[array2[i] -'a']++;
                                                  if (num1[i] != num2[i])
                                                             return 0;
 PROBLEMS CONTRUT DEBUG CONSOLS TERMINAL
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```
1 #include (stdio.h)
   4 char string1[100], visited[100];
   5 int count[100] = {0}, flag = 0;
  7 void main()
         printf("Enter a string : ");
         scanf("%[^\n]s", string1);
          1 = strlen(string1);
          for (i = 0; i < 1; i++)
             if (i -- 0)
                  visited[j++] = string1[i];
                  count[j - 1]++;
                  for (k = 0; k < j; k++)
                      if (string1[i] == visited[k])
                         count[k]++;
                         flag = 1;
                  if (flag == 0)
                      visited[j++] = string1[i];
                  flag = 0;
          for (i = 0; i < j; i++)
PROBLEMS CONTRUT DEBUG CONSOLE TERMINAL
                                                                                                                                                                                                                                                  [] Code + - [] ■ ... ×
```

p od "C\\Descs\LAXEND-1\AppRots\Local\Temp\" ; If (67) { goo tempCodeRunnesFile.c == tempCodeRunnesFile } ; If (67) { .\tempCodeRunnesFile } Enter a steing : Welcome to Sanfounderptlips C Programming Class |

Max repeated character in the string - o it occurs 4 times rs C:\Users\lawshmanan\AppCata\Local\Impo []

```
* C Freduks cation - Lumino : 
           2 // allowed
3 #include <stdio.h>
          7 void swap(char* x, char* y)
                                       char temp;
                                      temp = *x;
                                        *y = temp;
      19 3. Ending index of the string. */
      20 void permute(char* a, int 1, int r)
                                        int i;
                                        if (1 == r)
                                                       printf("%s\n", a);
                                                                        swap((a + 1), (a + i));
                                                                        permute(a, 1 + 1, r);
                                                                        swap((a + 1), (a + i)); // backtrack
       35 int main()
                                        char str[] = "SAN";
                                        int n = strlen(str);
                                        permute(str, 0, n - 1);
                                       return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Date + - ■ 8 -- ×
PROBLEMS DUTPUT DEBUG CONSOLE TERMINAL
```

> cd "C:\Users\LAXISM-1\AppBets\Local\Temp\" ; if (07) { gcc tempCodeNunnerFile : - o tempCodeNunnerFile } ; if (07) { .\tempCodeNunnerFile }

```
#include <stdio.h>

int main()

//Initialize array
int arr1[] = {10, -1, 100, 90, 87, 0, 15, 10, 20, 30};

//Calculate length of array arr1
int length = sizeof(arr1)/sizeof(arr1[0]);

//Create another array arr2 with the size of arr1.

int arr2[length];

//Copying all elements of one array into another for (int i = 0; i < length; i++) {
    arr2[i] = arr1[i];
}

//Displaying elements of array arr1
printf("clements of original array: \n");
for (int i = 0; i < length; i++) {
    printf("%d ", arr1[i]);
}

printf("\n");

//Oisplaying elements of array arr2
printf("Elements of new array: \n");
for (int i = 0; i < length; i++) {
    printf("%d ", arr2[i]);
}

return 0;

return 0;</pre>
```

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Elements of original array:
10 -1 100 90 87 0 15 10 20 30
Elements of new array:
10 -1 100 90 87 0 15 10 20 30
PS C:\Desca\lakahmanan\AppData\Local\Temp> []

> od *C:\Dass=\LAXXBN-1\AppRots\Local\Temp* ; if (0) { goo tempCodeRunnesFile.c == tempCodeRunnesFile } ; if (0) { .\tempCodeRunnesFile }

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```
#include <string.h>
int main()

char str[40]; // declare the size of character string
printf(" \n Enter a string to be reversed: ");

scanf("%s", str);

// use strrev() function to reverse a string
printf(" \n After the reverse of a string: %s ", strrev(str));
return 0;
}
```

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```
#include <stdio.h>
#include <string.h>

void main()

int sum = 0, i, len;
char string1[100];

printf("Enter the string: ");
scanf("M\n]s", string1);
len = strlen(string1);
for (i = 0; i < len; i++)

sum = sum + string1[i);

printf("\nSum of all characters : %d ",sum);
</pre>
```

> od "C\\Trans\LANGON-l\AppBaralLocal\Temp\" , if (67) (geo tempCodeRunnerFile.c -= tempCodeRunnerFile) , if (67) (.\tempCodeRunnerFile)

Enter the string : Welcome to SunfounderysF38ys C Programming Class, Welcome April to C Class !

Som of all characters : 6308

PS C:\TempCodeRunnerFile)

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