Q1) Sum of prime numbers in given range.

```
#include <stdio.h>
int main()
    int lowerLimit, upperLimit, sum = 0,i;
    printf("Enter lower limit of range greater than 0\n");
    scanf("%d", &lowerLimit);
    while(lowerLimit<0){</pre>
        printf("Enter lower limit of range greater than 0\n");
        scanf("%d", &lowerLimit);
    printf("Enter upper limit of range greater than 0\n");
    scanf("%d", &upperLimit);
    while(lowerLimit<0){</pre>
        printf("Enter lower limit of range greater than 0\n");
        scanf("%d", &lowerLimit);
    for (i = lowerLimit; i <= upperLimit; i++)</pre>
        if(i==0 || i==1) continue;
        int isPrime = 1;
        for (int j = 2; j*j <= i; j++)
            if (i % j == 0)
                isPrime = 0;
                break;
        if(isPrime)
            printf(" %d +", i);
            sum += i;
    printf("\b= %d\n", sum);
    return 0;
```

```
Enter lower limit of range greater than 0
11
Enter upper limit of range greater than 0
17
11 + 13 + 17 = 41

PS D:\Firstbit Solutions\C Programming\Tests\End Module Test>

Enter upper limit of range greater than 0
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11 + 13 + 17 = 41

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Enter upper limit of range greater than 0
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11 + 13 + 17 = 41

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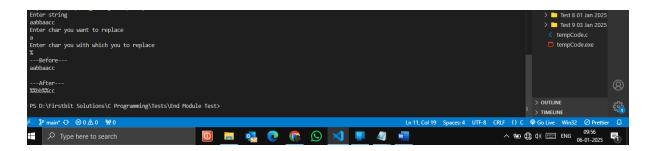
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Enter upper limit of range greater than 0
17
11 + 13 + 17 = 41

Enter upper limit of range great
```

Q2) Replace any char from string with special char.

```
#include<stdio.h>
#include<string.h>
int main(){
    char str[50], ch, sc;
    printf("Enter string\n");
    gets(str);
    printf("Enter char you want to replace\n");
    scanf("%c", &ch);
    fflush(stdin);
    printf("Enter char you with which you to replace\n");
    scanf("%c", &sc);
    int len = strlen(str);
    printf("---Before---\n%s\n\n", str);
    fflush(stdin);
    for (int i = 0; i < len; i++)
        if(str[i]==ch){
            str[i] = sc;
    printf("---After---\n%s\n\n", str);
    return 0;
```



Q3)Todo list.

```
#include <stdio.h>
#include <string.h>
typedef struct Todo
    int taskId;
    char desc[100];
    char status[10];
} Todo;
void displayAll(Todo *trr, int *index)
    for (int i = 0; i < *(index); i++)
        printf("Task Id --> %d\n", trr[i].taskId);
        printf("Description --> %s\n", trr[i].desc);
        printf("Status --> %s\n\n", trr[i].status);
int addTask(Todo *trr, int *index)
    printf("Enter TaskId\n");
    scanf("%d", &trr[*index].taskId);
    printf("Enter Description\n");
    scanf("%s", trr[*index].desc);
    fflush(stdin);
    printf("Enter Status\n");
    scanf("%s", trr[*index].status);
    fflush(stdin);
    (*index)++;
    return 1;
int updateTask(Todo *trr, int *index)
    int tempId, choice, acIndex;
    printf("Enter Taskid u want to update\n");
    scanf("%d", &tempId);
    for (int i = 0; i < *index; i++)
        if(trr[i].taskId==tempId){
            acIndex = i;
```

```
printf("1. Update Description\n");
    printf("2. Update Staus\n");
    printf("3. Exit\n");
    scanf("%d", &choice);
    switch (choice)
    case 1:
        char tempName[30];
        printf("Enter new name\n");
        scanf("%s", tempName);
        strcpy(trr[acIndex].desc, tempName);
        printf("Description updated successfully\n");
        break;
    case 2:
        char tempName[30];
        printf("Enter new status\n");
        scanf("%s", tempName);
        strcpy(trr[acIndex].status, tempName);
        printf("Staus updated successfully\n");
        break;
    case 3: break;
    default:
        break;
    return 1;
int main()
    Todo trr[10];
    int choice, index = 3;
    trr[0].taskId = 1;
```

```
strcpy(trr[0].desc, "Grab Milk from market");
strcpy(trr[0].status, "Pending");
trr[1].taskId = 2;
strcpy(trr[1].desc, "Take note of c from chatgpt");
strcpy(trr[1].status, "Pending");
trr[2].taskId = 3;
strcpy(trr[2].desc, "Hello world");
strcpy(trr[2].status, "Pending");
while (1)
    printf("1. Add Task\n");
    printf("2. Display Tasks\n");
    printf("3. Update Tasks\n");
    printf("0. Exit\n");
    scanf("%d", &choice);
    switch (choice)
    case 1:
        int res = addTask(trr, &index);
        res ? printf("Added successfully\n") : printf("error\n");
        break;
    case 2:
        displayAll(trr, &index);
        break;
    case 3:
        updateTask(trr, &index);
        break;
    case 0:
        break;
    default:
        printf("Invalid choice");
        break;
```

