

```
#include<stdio.h>
struct student
{
    char name[s0];
    int roll;
    float marks;
};
int main()

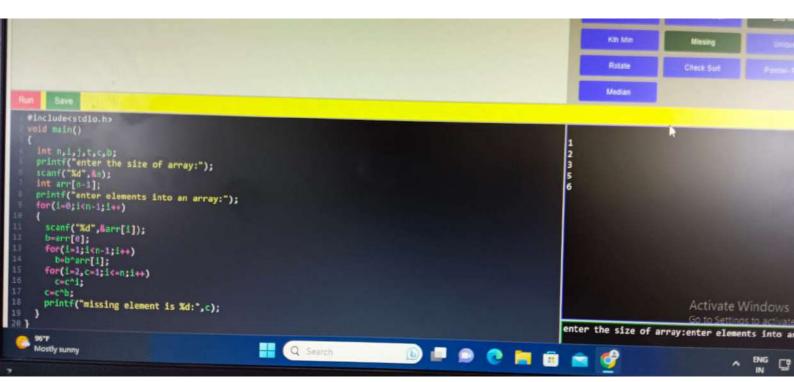
{
    struct student s;
    printf("enter the information of student:");
    printf("Nenter the name:");
    scanf("%d",s.name);
    printf("Nenter the marks:");
    scanf("%d",s.marks);
    printf("Nenter the marks:");
    scanf("%d",s.marks);
    printf("name %s",s.name);
    printf("name %s",s.name);
    printf("marks %.2f",s.narks);
    return 0;

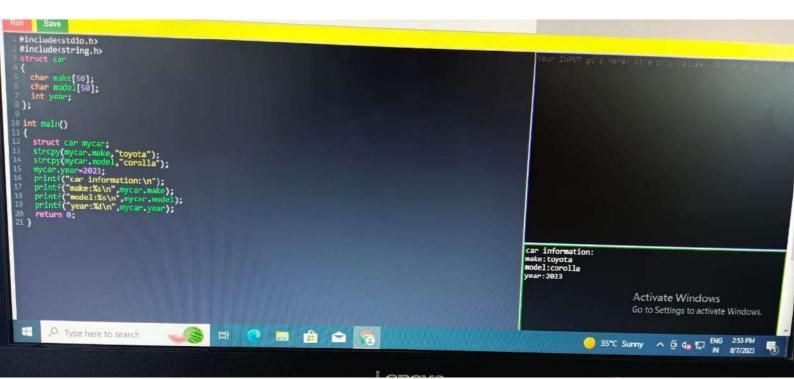
and the student s;
    information of student:");
    scanf("%d",s.name);
    printf("Marks %s.name);
    printf("marks %s.name);
    printf("marks %s.name);
    return 0;

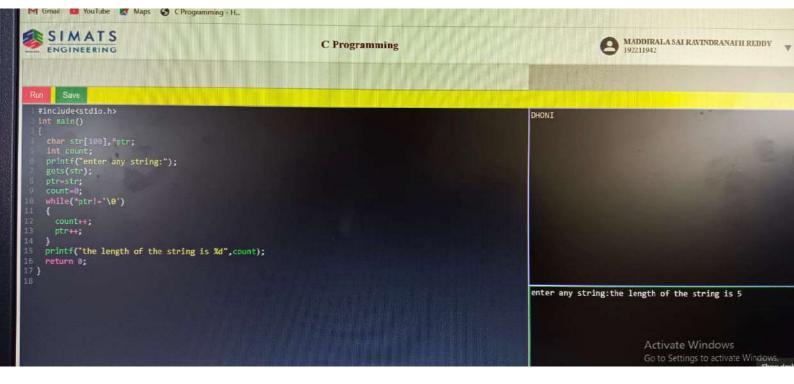
and the student s;
    information of student:");

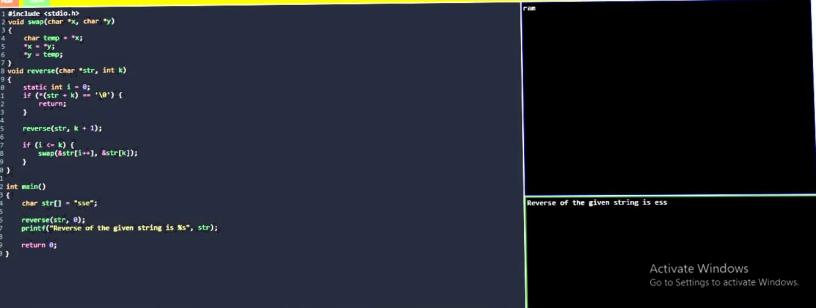
    scanf("%d",s.name);
    printf("name %s",s.name);
    printf("name %s",s.name);
    return 0;

and the student s;
    information of student:");
    printf("name %s",s.name);
    printf("marks %.2f",s.narks);
    return 0;
```

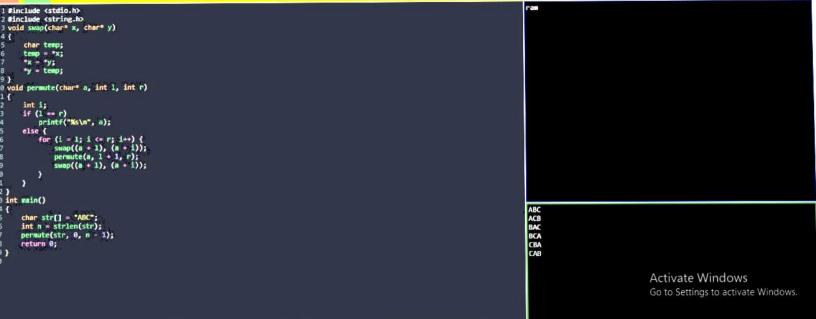








```
1 #include <stdio.h>
                                                                                                                                     ram
 3 void towers(int, char, char, char);
5 int main()
       int num;
       printf("Enter the number of disks : ");
       scanf("%d", &num):
       printf("The sequence of moves involved in the Tower of Hanoi are :\n");
12
13
14 }
       towers(num, 'A', 'C', 'B');
       return 0:
15 void towers(int num, char frompeg, char topeg, char auxpeg)
16 {
17
18
19
20
21
       if (num == 1)
           printf("\n Move disk 1 from peg %c to peg %c", frompeg, topeg);
           return:
22
       towers(num - 1, frompeg, auxpeg, topeg);
       printf("\n Move disk %d from peg %c to peg %c", num, frompeg, topeg);
       towers(num - 1, auxpeg, topeg, frompeg);
                                                                                                                                     Enter the number of disks : The sequence of moves involved in the
                                                                                                                                     Tower of Hanoi are :
                                                                                                                                      Move disk 1 from peg A to peg C
                                                                                                                                      Move disk 2 from peg A to peg B
                                                                                                                                      Move disk 1 from peg C to peg B
                                                                                                                                      Move disk 3 from peg A to peg C
                                                                                                                                      Move disk 1 from peg B to peg A
                                                                                                                                      Move disk 2 from peg B to peg Ctivate Windows
                                                                                                                                      Move disk 1 from peg A to peg to Settings to activate Windows.
```

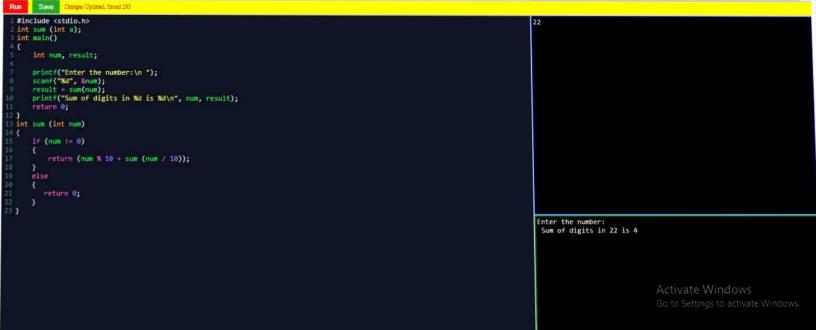


```
#include <string.h>
4 void check(char [], int);
6 int main()
    char word[15];
    printf("Enter a word to check if it is a palindrome\n");
    scanf("%s", word);
    check(word. 0):
    return 0;
void check(char word[], int index)
    int len = strlen(word) - (index + 1);
    if (word[index] == word[len])
        if (index + 1 == len || index == len)
            printf("The entered word is a palindrome\n");
                                                                                                                                Enter a word to check if it is a palindrome
            return;
                                                                                                                                The entered word is not a palindrome
        check(word, index + 1);
    else
        printf("The entered word is not a palindrome\n");
                                                                                                                                                             Activate Windows
```

#include <stdio.h>





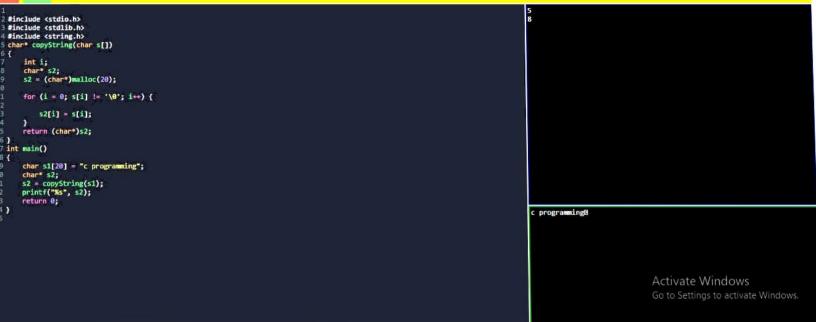


```
#include <stdio.h>
int power(int n1, int n2);
int main() {
    int base, a, result;
    printf("Enter base number:\n ");
   scanf("%d", &base);
   printf("Enter power number(positive integer):\n ");
   scanf("%d", &a);
   result = power(base, a);
   printf("%d^%d = %d", base, a, result);
   return 0:
int power(int base, int a) {
   if (a != 0)
       return (base * power(base, a - 1));
       return 1;
                                                                                                                            Enter base number: Enter power number(positive integer): 5^3 = 125
                                                                                                                                                        Activate Windows
```





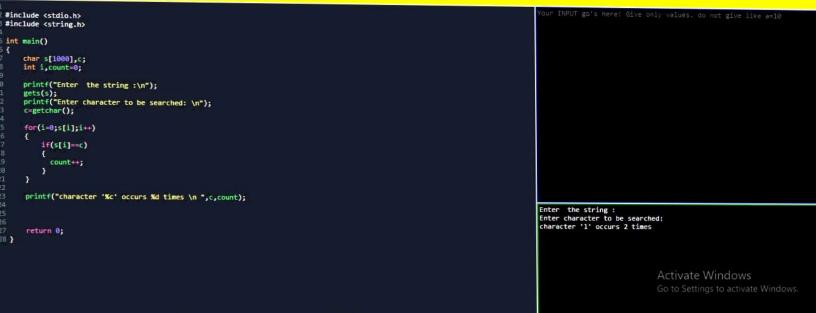


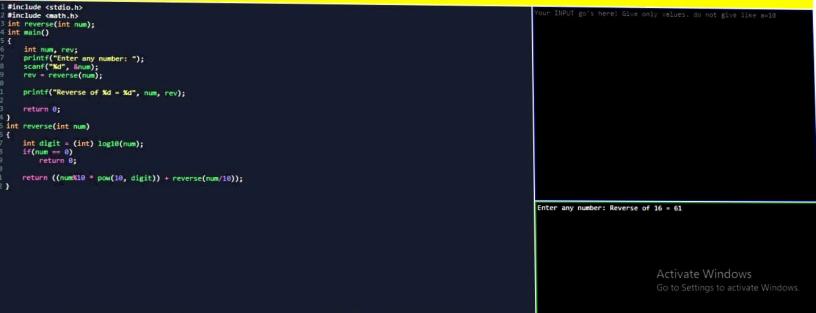


```
#include(stdio.h>
#include(string.h>
#define N 10
void print(int *num, int n)
    int i;
    for (i = 0; i < n; i++)
        printf("%d ", num[i]);
    printf("\n");
int main()
    int num[N];
    int *ptr;
    int temp;
    int i, n, j;
    printf("\nHow many number you want to enter: ");
        scanf("%d", &n);
    printf("\nEnter a list of numbers to see all combinations:\n");
    for (i = 0; i < n; i++)
        scanf("%d", &num[i]);
    for (j = 1; j \Leftarrow n; j \leftrightarrow) {
        for (i = 0; i < n-1; i++) {
            temp = num[i];
                                                                                                                                   How many number you want to enter:
            num[i] = num[i+1];
                                                                                                                                   Enter a list of numbers to see all combinations:
            num[i+1] = temp;
             print(num, n);
    return 0:
                                                                                                                                                                Activate Windows
                                                                                                                                                                 Go to Settings to activate Windows.
```

```
#include <stdio.h>
                                                                                                                               Your INPUT go's here! Give only values. do not give like a=10
#define MAX_SIZE 100
int sum(int arr[], int start, int len);
int main()
    int arr[MAX SIZE];
    int N, i, sumofarray;
    printf("Enter size of the array: \n");
    scanf("%d", &N);
    printf("Enter elements in the array: \n");
    for(i=0; i<N; i++)
        scanf("%d", &arr[i]);
    sumofarray = sum(arr, 0, N);
    printf("Sum of array elements: %d", sumofarray);
    return 0:
int sum(int arr[], int start, int len)
                                                                                                                               Enter size of the array:
                                                                                                                               Enter elements in the array:
    if(start >= len)
                                                                                                                               Sum of array elements: 15
       return 0;
   return (arr[start] + sum(arr, start + 1, len));
                                                                                                                                                            Activate Windows
```

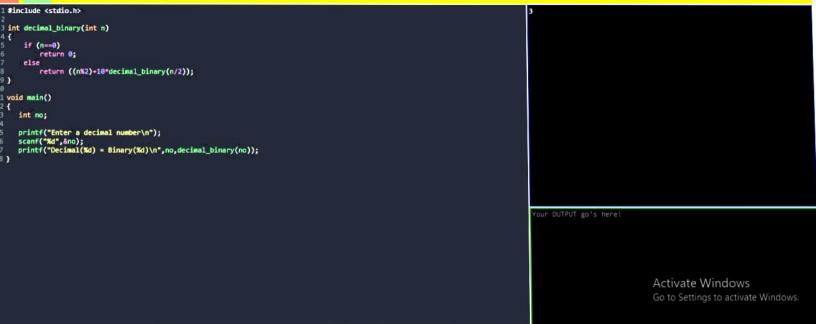
#include <stdio.h></stdio.h>	our INPUT go's here! Give only values, do not give like a=10
int find_len (char [], int);	and one of the state of the sta
int main ()	
Char str[100]="Let's Learn C Programming"; int len = 0;	
len = find_len (str, 0);	
printf ("The length of the given string is: %d\n", len); return 0;	
T 1:	
7 int find_len (char str[], int index){	
9 static int 1 = 0;	
if (str[index] == '\0') return 1; else	
94 else 15 1 ++; 16 find_len (str, index + 1); 17 }	The length of the given string is: 25
	Activate Windows Go to Settings to activate Windows.

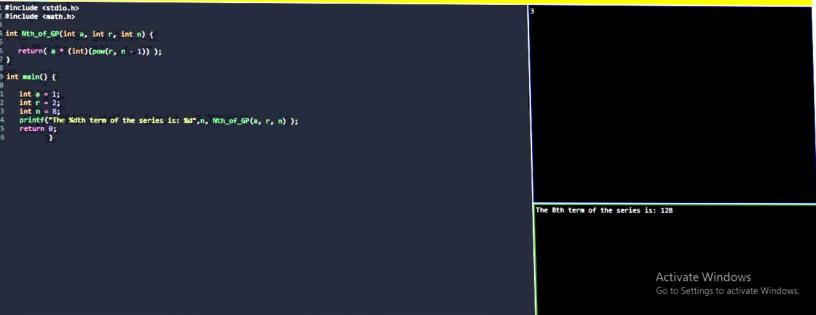




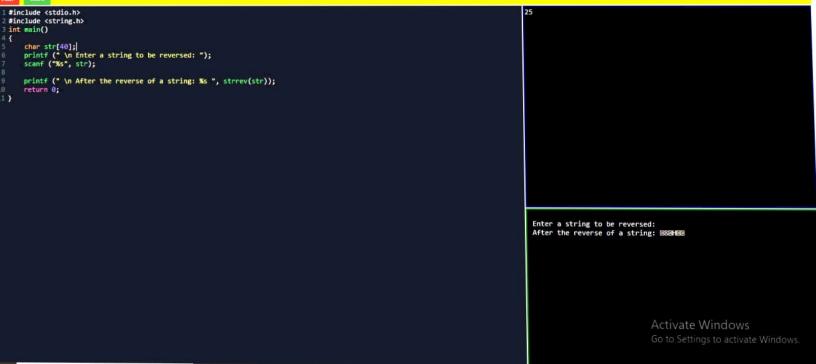


```
#include <stdio.h>
                                                                                                                                Your INPUT go's here! Give only values, do not give like a=10.
#include <string.h>
void check(char [], int);
int main()
    char word[15];
    printf("Enter a word to check if it is a palindrome\n");
    scanf("%s", word);
    check(word, 0);
    return 0;
void check(char word[], int index)
    int len = strlen(word) - (index + 1):
    if (word[index] == word[len])
        if (index + 1 == len || index == len)
            printf("The entered word is a palindrome\n");
                                                                                                                               Enter a word to check if it is a palindrome
            return;
                                                                                                                               The entered word is not a palindrome
        check(word, index + 1);
    else
       printf("The entered word is not a palindrome\n");
                                                                                                                                                           Activate Windows
```

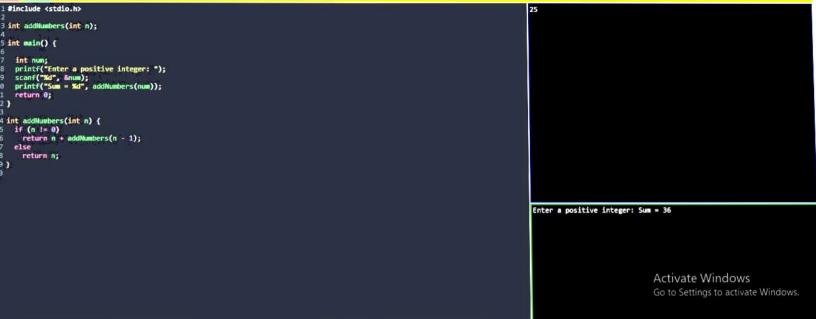




<pre>if t SumEven(int num1, int num2) {    if(num1&gt;num2)    return 0;    freturn num1+SumEven(num1+2,num2); } int main() {    int num1=2,num2;    printf("Enter your Limit:\n");    scanf("%d",&amp;num2);    printf("Sum of all Even numbers in the given range is: %d",SumEven(num1,num2)); } </pre>	Enter your Limit: Sum of all Even numbers in the given range is: 30
	Activate Windows Go to Settings to activate Windows.



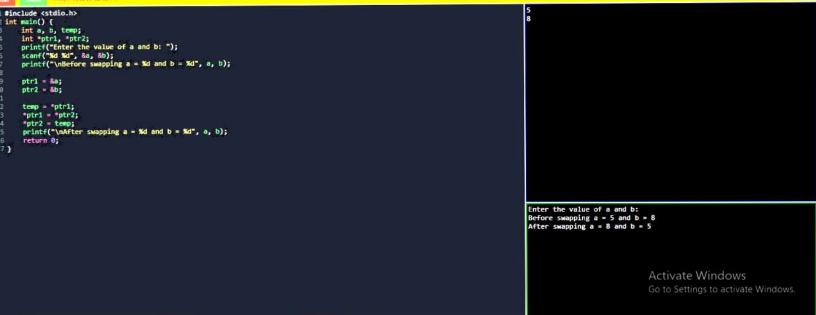
```
#include <stdio.h>
void towers(int, char, char, char);
int main()
    int num:
    printf("Enter the number of disks : ");
    scanf("%d", &num);
    printf("The sequence of moves involved in the Tower of Hanoi are :\n");
    towers(num, 'A', 'C', 'B');
    return 0:
void towers(int num, char frompeg, char topeg, char auxpeg)
    if (num == 1)
        printf("\n Move disk 1 from peg %c to peg %c", frompeg, topeg);
        returni
    towers(num - 1, frompeg, auxpeg, topeg);
    printf("\n Move disk %d from peg %c to peg %c", num, frompeg, topeg);
    towers(num - 1, auxpeg, topeg, frompeg);
                                                                                                                                Enter the number of disks : The sequence of moves involved in the
                                                                                                                                Tower of Hanoi are :
                                                                                                                                 Move disk 1 from peg A to peg C
                                                                                                                                 Move disk 2 from peg A to peg B
                                                                                                                                 Move disk 1 from peg C to peg B
                                                                                                                                 Move disk 3 from peg A to peg C
                                                                                                                                 Move disk 1 from peg B to peg A
                                                                                                                                 Move disk 2 from peg B to pegActivate Windows
                                                                                                                                 Move disk 1 from peg A to peg to Settings to activate Windows.
```

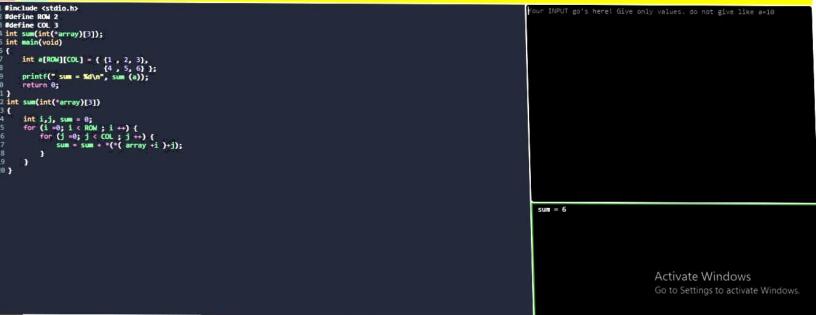


```
#include <stdio.h>
int main()
 int n, s[1000], a = 1, d = 1, i;
 scanf("%d", &n);
 for (i = 0; i < n; i++)
   scanf("%d", &s[i]);
 i = 0;
 while ((a == 1 || d == 1) && i < n - 1) {
   if (s[i] < s[i+1])
     d = 0:
   else if (s[i] > s[i+1])
     a = 0;
    i++;
  if (a = 1)
    printf("The array is sorted in ascending order.\n");
  else if (d == 1)
    printf("The array is sorted in descending order.\n");
    printf("The array is not sorted.\n");
  return 0;
                                                                                                                             The array is not sorted.
                                                                                                                                                          Activate Windows
                                                                                                                                                          Go to Settings to activate Windows.
```

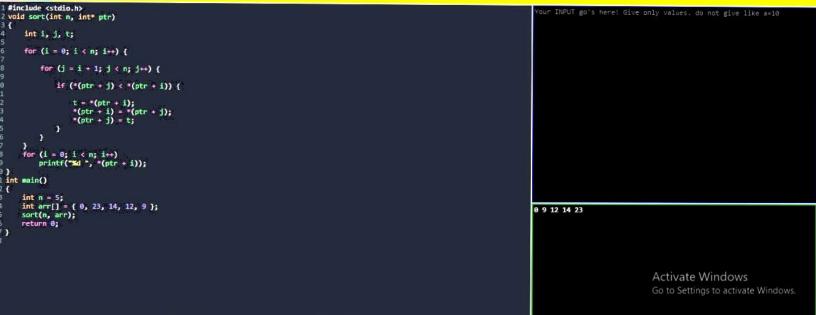
```
#include <stdio.h>
3 int main()
    printf("Studytonight - Best place to learn");
    char aa[100], bb[100];
    printf("\nEnter the first string: ");
    gets(aa);
    printf("\nEnter the second string to be concatenated: ");
    gets(bb);
    char *a = aa:
    char *b = bb;
    While(*a)
        a++;
    while(*b)
        *a = *b:
        b++;
        a++;
    *a = '\0';
    printf("The string after concatenation is: %s ", aa);
   printf("Coding is Fun !");
                                                                                                                                           Studytonight - Best place to learn
   return 0;
                                                                                                                            Enter the first string:
                                                                                                                           Enter the second string to be concatenated:
Activate Windows
                                                                                                                           Go to Settings to activate Windows.
                                                                                                                                                  Coding is Fun !
```

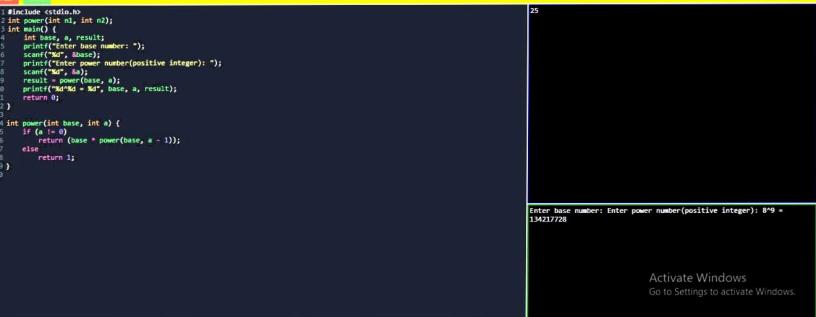
```
STITIC LUGE (STOTO II)
#define MAX SIZE 100
void printArr(int *arr, int size):
int main()
    int arr[MAX_SIZE];
    int size:
    int *left = arr:
    int *right;
    printf("Enter size of array: ");
    scanf("%d", &size);
    right = &arr[size - 1];
    printf("Enter elements in array: ");
    while(left <= right)
        scanf("%d", left++);
    printf("\nArray before reverse: "):
     printArr(arr, size):
    left = arr;
     while(left < right)
                 ^= *right:
         *left
         *right ^= *left:
                                                                                                                                 Enter size of array: Enter elements in array:
                 ^= *right:
         *left
                                                                                                                                 Array before reverse: 1, 2, 3, 4, 5,
         left++:
                                                                                                                                 Array after reverse: 5, 4, 3, 2, 1,
         right--;
     printf("\nArray after reverse: ");
     printArr(arr, size);
     return 0;
33 void printArr(int * arr, int size)
34 {
35
36
     int * arrEnd = (arr + size - 1);
     while(arr <= arrEnd)
                                                                                                                                                             Activate Windows
         printf("Md, ", *arr);
                                                                                                                                                            Go to Settings to activate Windows.
         arr++:
42
```

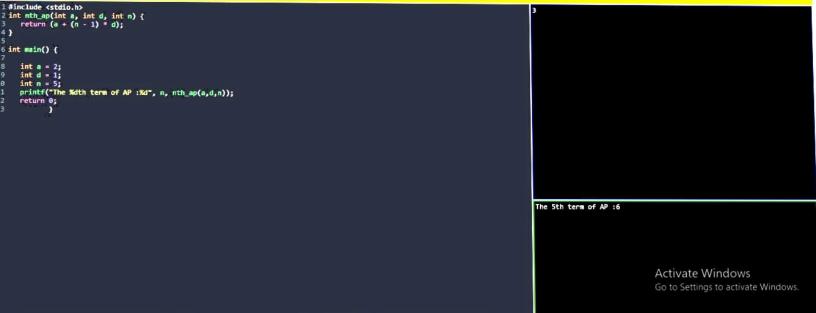


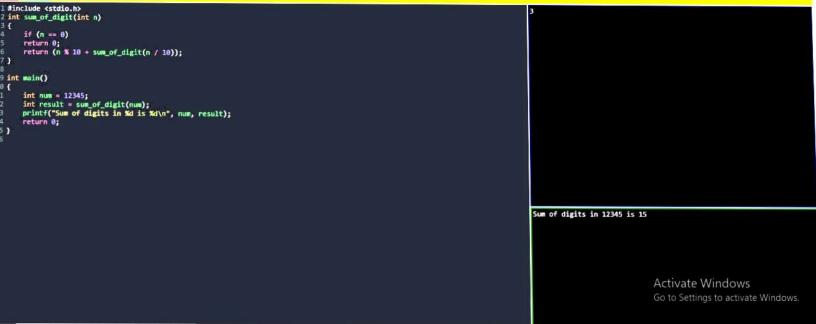


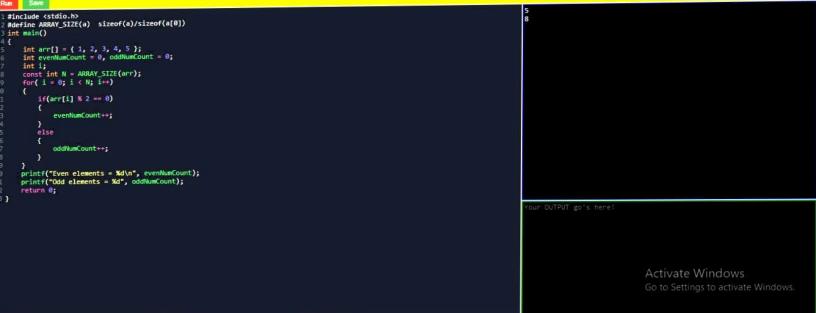


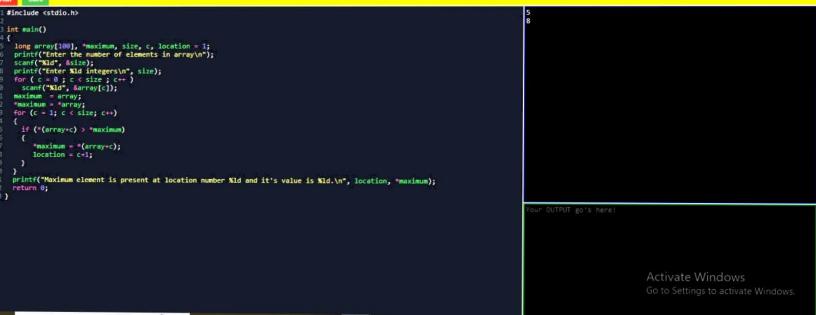












```
#include(stdio.h>
long int multiplyNumbers(int n);
int main() {
    int n;
    printf("Enter a positive integer: \n");
    scanf("%d",&n);
    printf("Factorial of %d = %ld", n, multiplyNumbers(n));
    return 0;
long int multiplyNumbers(int n) {
    if (n>=1)
        return n*multiplyNumbers(n-1);
    else
        return 1;
                                                                                                                            Enter a positive integer: Factorial of 8 = 40320
                                                                                                                                                         Activate Windows
                                                                                                                                                         Go to Settings to activate Windows.
```