

```
Start here x '8.c x
1  #include <stdio.h>
2  int main()
3  {
4      char str1[50], str2[50], i, j;
5      printf("\nEnter first string: ");
6      scanf("%s", str1);
7      printf("\nEnter second string: ");
8      scanf("%s", str2);
9      for(i=0; str1[i]!='\0'; ++i);
10     for(j=0; str2[j]!='\0'; ++j, ++i)
11     {
12         str1[i]=str2[j];
13     }
14     str1[i]='\0';
15     printf("\nOutput: %s", str1);
16     return 0;
17 }
18
```

C:\Users\Rudra\Music\8.exe

Enter first string: rudra

Enter second string: madhab

Output: rudramadhab

Process returned 0 (0x0) execution time : 12.039 s

Press any key to continue.

here X 8.c X

```
1 #include<stdio.h>
2 #include<string.h>
3 void main()
4 {
5     char str[20];
6     printf("Enter the String to get reversed\n");
7     gets(str);
8     printf("\nReversed string = %s",strrev(str));
9 }
10
```

C:\Users\Rudra\Music\8.exe

Enter the String to get reversed
abhishek

Reversed string = kehsihba

Process returned 27 (0x1B)

Press any key to continue.

execution time : 12.610 s

```
here X 8.c X
1  #include<stdio.h>
2  #include <string.h>
3
4  int main() {
5      char string[50] = "Rudra universe";
6      char * token = strtok(string, " ");
7      printf( " %s\n", token );
8      return 0;
9  }
10
```

```
C:\Users\Rudra\Music\8.exe
Rudra
Process returned 0 (0x0)   execution time : 0.044 s
Press any key to continue.
```

```
1 #include<stdio.h>
2 #include<string.h>
3 void main()
4 {
5     int i,n;
6     char str[20];
7     printf("Enter the String to get reversed\n");
8     gets(str);
9     n=strlen(str);
10    printf("\nReversed string is \n");
11    for(i=n-1;i>=0;i--)
12    {
13        printf("%c",str[i]);
14    }
15    return 0;
16 }
17
```

Enter the String to get reversed
rudra

Reversed string is
ardur

Process returned 114 (0x72) execution time : 14.877 s
Press any key to continue.

```

1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char str1[80], str2[80];
6     int i;
7     printf("Input a string:");
8     scanf("%s", str2);
9     for(i=0; str2[i]!='\0'; i++)
10         str1[i]=str2[i];
11     str1[i]='\0';
12     printf("\n");
13     printf("copied string: %s", str1);
14     printf("\nNumber of copied characters = %d\n", i);
15     return 0;
16 }
17

```

Input a string:hi

copied string: hi

Number of copied characters = 2

Process returned 0 (0x0) execution time : 4.054 s

Press any key to continue.

```

6 length = strlen(string);
7 for(i=0;i<length;i++)
8 {
9     if( (i==0) && (string[i]>='a' && string[i]<='z'))
10     {
11         string[i] = string[i] - 32;
12     }
13     else if(string[i]==' ')
14     {
15         if(string[i+1] == ' ')
16         {
17             if(string[i+2]>='a' && string[i+2]<='z')
18             {
19                 string[i+2] = string[i+2] - 32;
20             }
21         }
22         else
23         {
24             if(string[i+1]>='a' && string[i+1]<='z')
25             {
26                 string[i+1] = string[i+1] - 32;
27             }
28         }
29     }
30 }
31
32 int main()
33 {
34     char string[50]={0};
35     int length=0,i=0,j=0,k=0;
36     printf("\nEnter the string : ");
37     gets(string);
38     StrToSentence(string);
39     printf("Final string is : %s",string);
40     return 0;
41 }

```

```

Enter the string : how are you
Final string is : How are you
Process returned 0 (0x0)   execution time : 31.
Press any key to continue.

```

```

1 #include <stdio.h>
2 int main()
3 {
4     char string[1000], sub[1000];
5     int position, length, c = 0;
6     printf("Input a string\n");
7     gets(string);
8     printf("Enter the position and length of substring\n");
9     scanf("%d%d", &position, &length);
10    while (c < length)
11    {
12        sub[c] = string[position+c-1];
13        c++;
14    }
15    sub[c] = '\0';
16    printf("Required substring is \"%s\"\n", sub);
17    return 0;
18 }
19

```

```

rudra
Enter the position and length of substring
3
10
Required substring is "dra"

Process returned 0 (0x0)   execution time : 15.9
90 s
Press any key to continue.

```

Start here x 8.c x

```
1 #include <stdio.h>
2 #include <string.h>
3 int main()
4 {
5     char a[1000], b[1000];
6     printf("Enter the first string\n");
7     gets(a);
8     printf("Enter the second string\n");
9     gets(b);
10    strcat(a, b);
11    printf("String obtained on concatenation: %s\n", a);
12    return 0;
13 }
14
```

C:\Users\Rudra\Music\8.exe

Enter the first string

rudra

Enter the second string

pani

String obtained on concatenation: rudrapani

Process returned 0 (0x0) execution time : 10.444 s
Press any key to continue.


```

1 #include <stdio.h>
2 #include <string.h>
3 void stringcopy(char *s1, char *s2)
4 {
5     int i;
6     for(i=0; s2[i]=s1[i]; i++);
7     s2[i]='\0';
8 }
9 int main()
10 {
11     char s1[1000], s2[1000];
12     int i;
13     printf("Enter any string: ");
14     gets(s1);
15     stringcopy(s1, s2);
16     printf("original string s1='%s'\n", s1);
17     printf("copied string s2='%s'", s2);
18     return 0;
19 }
20

```

```

Enter any string: rudra
original string s1='rudra'
copied string s2='rudra'
Process returned 0 (0x0)   execution time : 4.259 s
Press any key to continue.

```

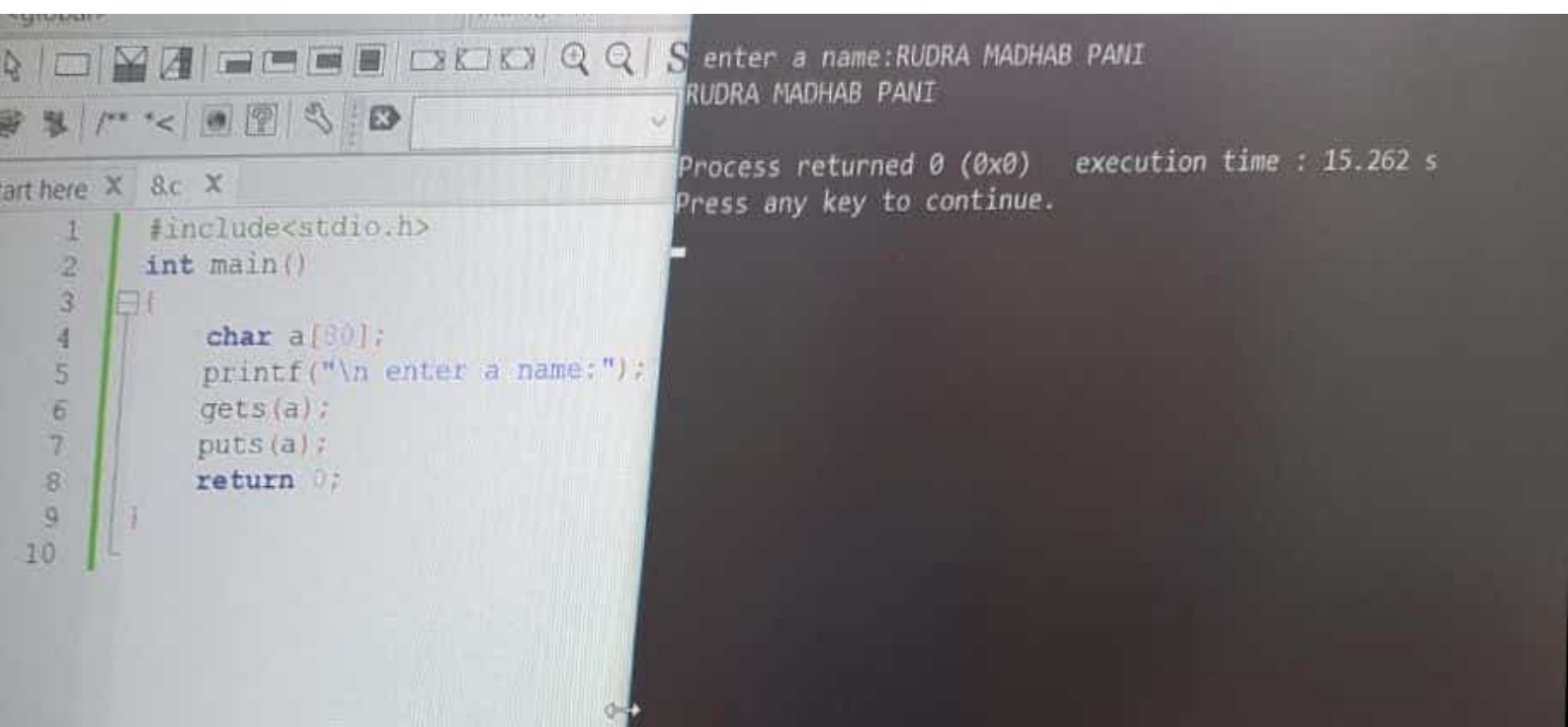
```
1 #include<stdio.h>
2 int main()
3 {
4     char a[20];
5     printf("\n enter a name:");
6     scanf("%s",&a);
7     printf("\n your name is:%s",a);
8     return 0;
9 }
10
```

enter a name:RUDRA

your name is:RUDRA

Process returned 0 (0x0) execution time :

Press any key to continue.



The image shows a code editor window on the left and a terminal window on the right. The code editor displays a C program that prompts the user to enter a name and prints it. The terminal shows the program's execution, including the input 'RUDRA MADHAB PANI' and the output 'RUDRA MADHAB PANI'. The terminal also displays the process return code '0 (0x0)' and the execution time '15.262 s'. The terminal prompt 'Press any key to continue.' is visible at the bottom.

```
1 #include<stdio.h>
2 int main()
3 {
4     char a[80];
5     printf("\n enter a name:");
6     gets(a);
7     puts(a);
8     return 0;
9 }
10
```

enter a name:RUDRA MADHAB PANI
RUDRA MADHAB PANI

Process returned 0 (0x0) execution time : 15.262 s
Press any key to continue.

```
1 #include <stdio.h>
2 #include <string.h>
3 int main()
4 {
5     char V[200];
6     int i;
7     printf("Please enter Any String to Toggle : ");
8     gets(V);
9     for (i = 0; V[i] != '\0'; i++)
10     {
11         if (V[i] >= 'A' && V[i] <= 'Z')
12             V[i] = V[i] - 32;
13         else if (V[i] >= 'a' && V[i] <= 'z')
14             V[i] = V[i] + 32;
15     }
16     printf("The Given String after Toggling Case of all Characters = %s", V);
17     return 0;
18 }
```

```
C:\Users\Rudra\Music\Visual C++
Please Enter any String to Toggle : Rudra_HELLO
The Given String after Toggling Case of all Characters = rUDRA_hello
Process returned 0 (0x0)   execution time : 28.638 s
Press any key to continue.
```

```
Start here X 8c X
1  #include<stdio.h>
2  #include<string.h>
3  int main()
4  {
5      char a[50];
6      int i;
7      printf("\n enter a string in upper case:");
8      gets(a);
9      for( i=0;a[i]!='\0';i++)
10         a[i]=a[i]+32;
11         puts(a);
12         return 0;
13     }
14 }
```

C:\Users\Rudra\Music\8.exe

enter a string in upper case:RUDRA
rudra

Process returned 0 (0x0) execution time : 7
Press any key to continue.

```
<global> main(): int
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char a[50];
6     int i;
7     printf("\n enter a string in lower case:");
8     gets(a);
9     for( i=0;a[i]!='\0';i++)
10     a[i]=a[i]-32;
11     puts(a);
12     return 0;
13 }
14
```

enter a string in lower case:rudra
RUDRA

Process returned 0 (0x0) execution time : 5.801 s
Press any key to continue.

Start here X Br X

```
1 #include <stdio.h>
2 #include <string.h>
3 void main()
4 {
5     char str[100];
6     int i, t, j, len;
7     printf("Enter a string : ");
8     scanf("%[^\n]s", str);
9     len = strlen(str);
10    str[len] = '\0';
11    for (t = 0, i = 0; i < strlen(str); i++)
12    {
13        if ((str[i] == ' ') && (str[i - 1] == 's'))
14        {
15            for (j = t; j < i; j++)
16                printf("%c", str[j]);
17            t = i + 1;
18            printf("\n");
19        }
20        else
21        {
22            if (str[i] == '\0')
23            {
24                t = i + 1;
25            }
26        }
27    }
28 }
29
```

C:\Users\Rudra\Music>8.exe

Enter a string : welcome to rudra's class which is the best lectures
rudra's
class
is
lectures

Process returned 52 (0x34) execution time : 52.596 s
Press any key to continue.

C:\Users\Rudra\Music>8.exe

Type here to search

C/C++

Windows (CR...)


```

4  {
5      char s[100], w[100];
6      int n, a[1000], i, j, k=0, l, found=0, t=0;
7      printf("Enter the string : ");
8      gets(s);
9      printf("Enter word to be searched: ");
10     gets(w);
11     for(i=0; s[i]; i++)
12     {
13         if(s[i] == ' ')
14         {
15             a[k++] = i;
16         }
17     }
18     a[k++] = i;
19     j=0;
20     for(i=0; i<k; i++)
21     {
22         n=a[i]-j;
23         if(n==strlen(w))
24         {
25             t=0;
26             for(l=0; w[l]; l++)
27             {
28                 if(s[l+j]==w[l])
29                 {
30                     t++;
31                 }
32             }
33             if(t==strlen(w))
34             {
35                 found++;
36             }
37         }
38         j=a[i]+1;
39     }
40     printf("word '%s' is occurred count=%d ", w, found);
41     return 0;

```

C:\Users\Rudra\Music\8.exe

```

Enter the string : rudra is a very very bad boy
Enter word to be searched: very
word 'very' is occurred count=2
Process returned 0 (0x0)   execution time : 27.960 s
Press any key to continue.

```


Press any key to continue.

Start here X &c X

```
1  #include <stdio.h>
2  #include <string.h>
3  int main(){
4      char string1[20];
5      int i, length;
6      int flag = 0;
7      printf("Enter a string:");
8      scanf("%s", string1);
9      length = strlen(string1);
10     for(i=0; i < length ; i++){
11         if(string1[i] != string1[length-i-1]){
12             flag = 1;
13             break;
14         }
15     }
16     if (flag) {
17         printf("%s is not a palindrome", string1);
18     }
19     else {
20         printf("%s is a palindrome", string1);
21     }
22     return 0;
23 }
24
```

```

main0: int
gets (str);
for (i = 0; str[i] != '\0'; i++)
{
    if (str[i] == ' ')
    {
        twoD[k][j] = '\0';
        k++;
        j = 0;
    }
    else
    {
        twoD[k][j] = str[i];
        j++;
    }
}
twoD[k][j] = '\0';
j = 0;
for (i = 0; i < k; i++)
{
    int present = 0;
    for (l = 1; l < k + 1; l++)
    {
        if (twoD[i][j] == '\0' || l == i)
        {
            continue;
        }
        if (strcmp (twoD[i], twoD[l]) == 0)
        {
            twoD[l][j] = '\0';
            present = present + 1;
        }
    }
}
j = 0;
for (i = 0; i < k + 1; i++)
{
    if (twoD[i][j] == '\0')
    {
        continue;
    }
    else

```

Enter the string
i m very very good
i m very good

Process returned 0 (0x0) execution time : 14.683
Press any key to continue.