lobal>

rt here X *8.c X

```c
#include<stdio.h>
#include<string.h>
void main()
{
  char str[20], k;
  int i, j;
  printf("Enter a string: \n");
  scanf("%[^\n]", str);
  for(i=0; str[i] != '\0'; i++)
  {
    for(j=i+1; str[j] != '\0'; j++)
    {
      if(str[i] > str[j])
      {
        k= str[i];
        str[i] = str[j];
        str[j] = k;
      }
    }
  }
  printf("%s", str);
  printf("\n");
  getch();
}
```

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

```
Enter a string:
rudramadhab
aaabddhmrru
```

main() : int

S C

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

```
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.
```
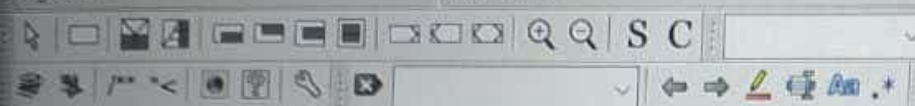
re X *8.c X

```c
        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[l][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
```

Rudra Music 8c

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<global>   main() : int

Start here X   8.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
```

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

```
Enter a string:BAB
BAB is a palindrome
Process returned 0 (0x0)     execution time :
Press any key to continue.
```

<global>   main() : int

Q Q S C

start here X &c 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 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
```

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

enter a string in lower case:rudra
RUDRA

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

```
 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.
```
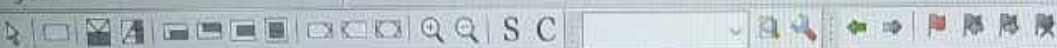
`<global>` main() : void

Start here X   8.c X

```c
#include <stdio.h>
#include <string.h>
void main()
{
    char str[100];
    int i, t, j, len;
    printf("Enter a string : " );
    scanf("%[^\n]s" , str);
    len = strlen(str);
    str[len] = ' ';
    for (t = 0, i = 0; i < strlen(str); i++)
    {
        if ((str[i] == ' ') && (str[i - 1] == 's'))
        {
            for (j = t; j < i; j++)
                printf("%c" , str[j]);
            t = i + 1;
            printf("\n" );
        }
        else
        {
            if (str[i] == ' ')
            {
                t = i + 1;
            }
        }
    }
}
```

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/C++

art here X   8.c X

```c
#include<stdio.h>
int main()
{
    char a[20];
    printf("\n enter a name:");
    scanf("%s",&a);
    printf("\n your name is:%s",a);
    return 0;
}
```

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

```
enter a name:RUDRA

your name is:RUDRA
Process returned 0 (0x0)    execution time :
Press any key to continue.
```

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<global>   main() : int

Start here X   8.c 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 :
Press any key to continue.
```

```c
#include <stdio.h>
#include <string.h>
int main()
{
    char V[50];
    int i;
    printf("\n Please Enter any String to Toggle : ");
    gets(V);
    for (i = 0; V[i]!='\0'; i++)
    {
        if(V[i] >= 'a' && V[i] <= 'z')
        {
            V[i] = V[i] - 32;
        }
        else if(V[i] >= 'A' && V[i] <= 'Z')
        {
            V[i] = V[i] + 32;
        }
    }
    printf("\n The Given String after Toggling Case of all Characters = %s", V);
    return 0;
}
```

```
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   8.c X

```c
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
```

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

```
 enter a name:RUDRA MADHAB PANI
RUDRA MADHAB PANI

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

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global>   main() : int

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.
```

\Users\Rudra\Music\8.c

Type here to search

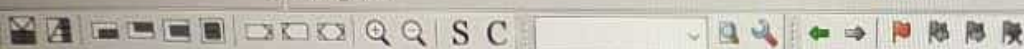View   Search   Project   Build   Debug   Fortran   wxSmith   Tools   Tools+   Plugins   DoxyBlocks   Settings   Help

main() : int

S C

e X   *B.c X

```
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
```

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

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.
```

stringcopy(char* s1, char* s2) : void

Q Q S C

```
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.
```

```c
 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
```

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<global>   main() : void

Start here X   *8.c X

```
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
```

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

```
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.
```
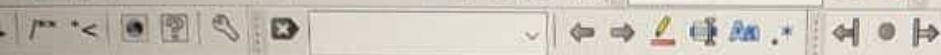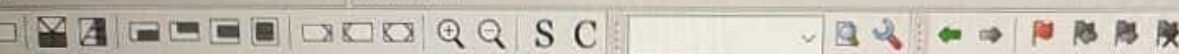
t View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

al>   main() : int

S C

ere X   8.c X

```c
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
```

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

```
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.
```

Type here to search

global>   main() : int

art here X   8.c X

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

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

```c
 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    }
42
```

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`<global>`   main() : int

Start 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.
```

Users\Rudra\Music\8.c   C/C++   Windows (CR+LF)   WINDOWS-1252

Type here to search

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here X   8.c X

```c
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)   execution time : 12.610 s
Press any key to continue.

<global>   main() : int

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.
```

Users\Rudra\Music\8.c

C/C++   Windows (CR+LF)   WINDOWS 12