
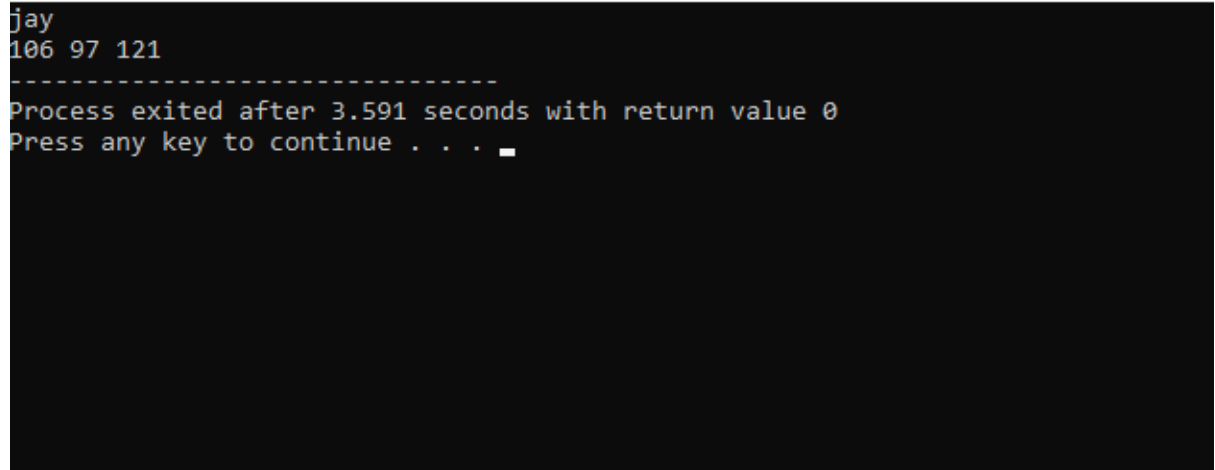


U24CS026 : JAY PATEL

Q-1.

 D:\jaypatel\q1.exe



```
jay
106 97 121
-----
Process exited after 3.591 seconds with return value 0
Press any key to continue . . . _
```

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

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

```
int main(){
```

```
    char name[10];
```

```
    scanf("%s",&name);
```

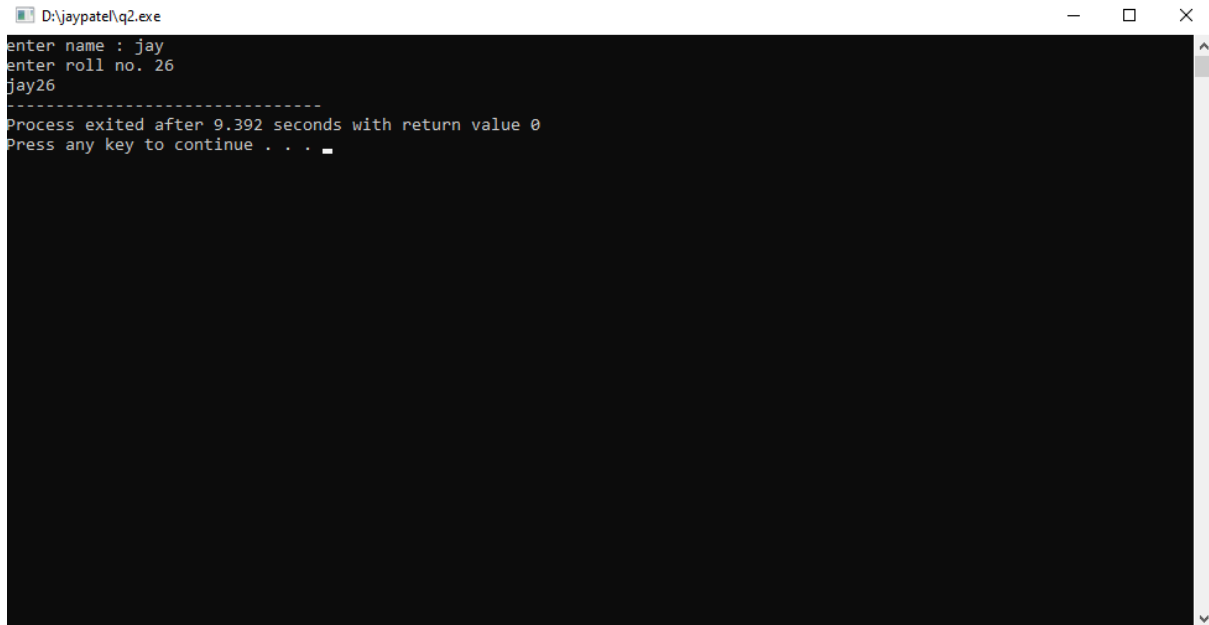
```
    for(int i=0;i<strlen(name);i++){
```

```
        printf("%d ",name[i]);
```

```
    }
```

```
}
```

Q-2.



```
D:\jaypate\q2.exe
enter name : jay
enter roll no. 26
jay26
-----
Process exited after 9.392 seconds with return value 0
Press any key to continue . . .
```

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

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

```
int main(){
```

```
    char name[10];
```

```
    char roll[10];
```

```
    printf("enter name : ");
```

```
    scanf("%s",&name);
```

```
    printf("enter roll no. ");
```

```
    scanf("%s",&roll);
```

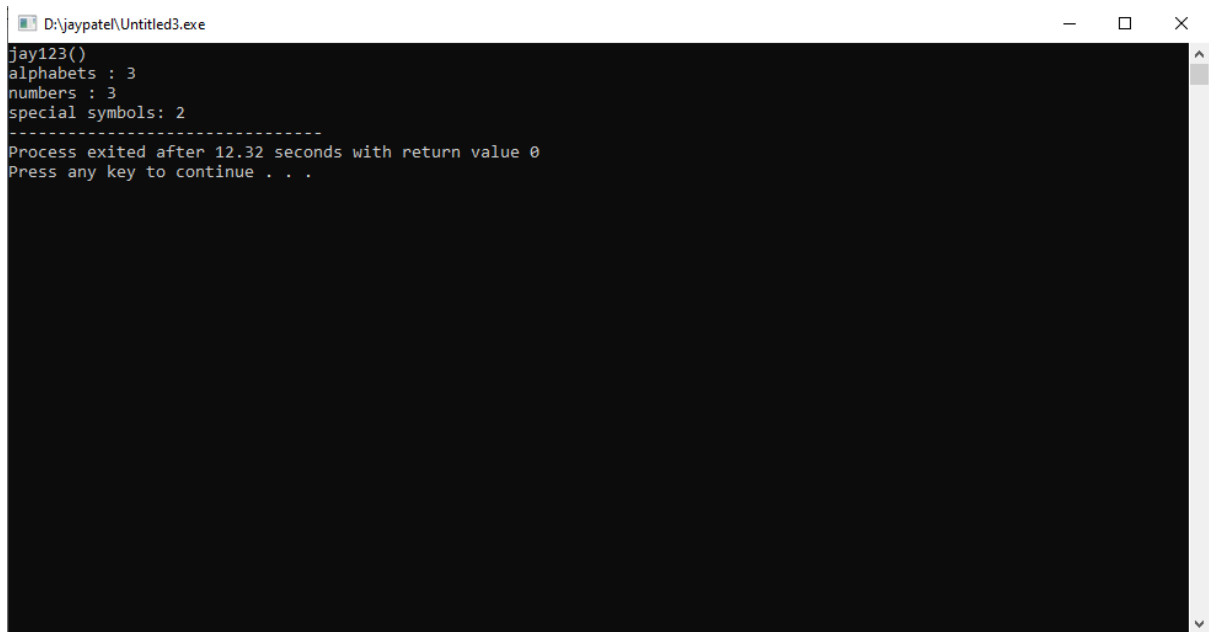
```
    strcat(name,roll);
```

```
    printf("%s",name);
```

```
    return 0;
```

```
}
```

Q-3.



```
D:\jaypatel\Untitled3.exe
jay123()
alphabets : 3
numbers : 3
special symbols: 2
-----
Process exited after 12.32 seconds with return value 0
Press any key to continue . . .
```

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

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

```
int main(){
```

```
    char s[100];
```

```
    scanf("%s",&s);
```

```
    int al=0,num=0,sp=0;
```

```
    int i;
```

```
    for(i=0;i<strlen(s);i++){
```

```
        if((s[i]>='a' && s[i]<='z') || (s[i]>='A' && s[i]<='Z')){
```

```
            al++;
```

```
        }
```

```
        else if(s[i]>='0' && s[i]<='9'){
```

```
            num++;
```

```
        }
```

```
        else{
```

```
            sp++;
```

```

        }

    }

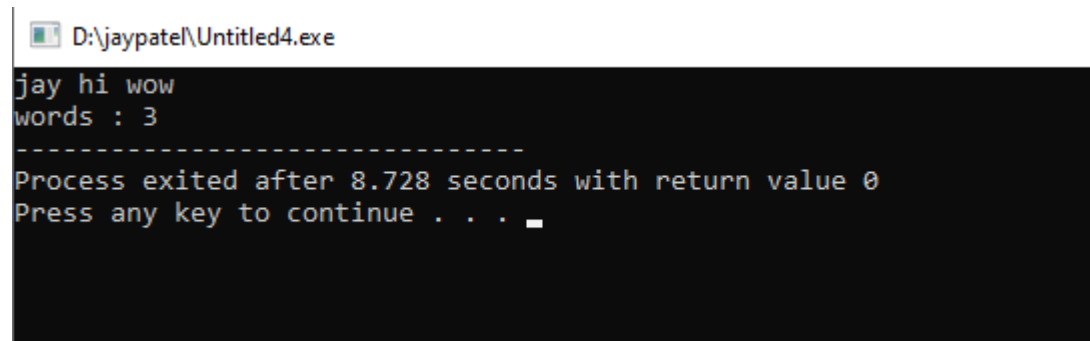
    printf("alphabets : %d \nnumbers : %d \nspecial symbols: %d ",al,num,sp);

    return 0;

}

```

Q-4.



```

D:\jaypatel\Untitled4.exe
jay hi wow
words : 3
-----
Process exited after 8.728 seconds with return value 0
Press any key to continue . . .

```

```

#include <stdio.h>

#include <string.h>

int main(){

    char s[100];

    int count=0;

    //    scanf("%s",&s);

    gets(s);

    for(int i=0;i<strlen(s);i++){

        if(s[i]==' '){

            count++;

        }

    }

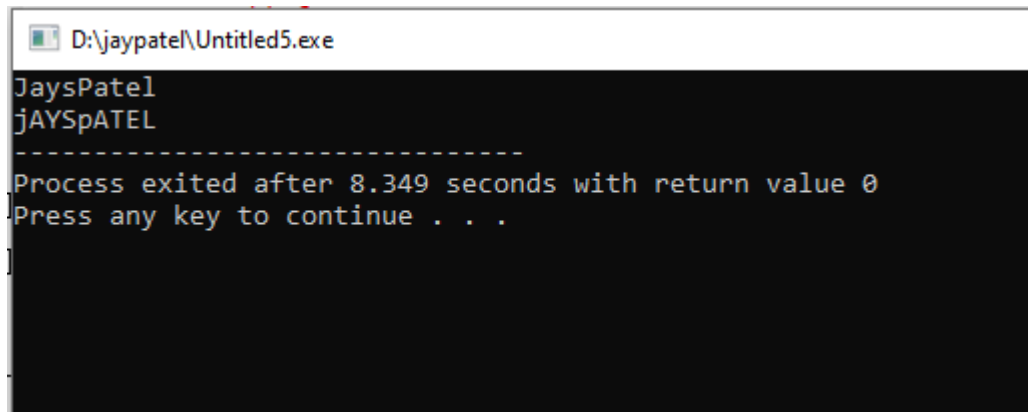
    printf("words : %d",count+1);

    return 0;

}

```

Q-5.



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

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

```
int main(){
```

```
    char name[100];
```

```
    scanf("%s",&name);
```

```
    char togg[strlen(name)];
```

```
    for(int i=0;i<strlen(name);i++){
```

```
        if(name[i]>='a'&&name[i]<='z'){
```

```
            togg[i]=name[i]-32;
```

```
        }
```

```
        else{
```

```
            togg[i]=name[i]+32;
```

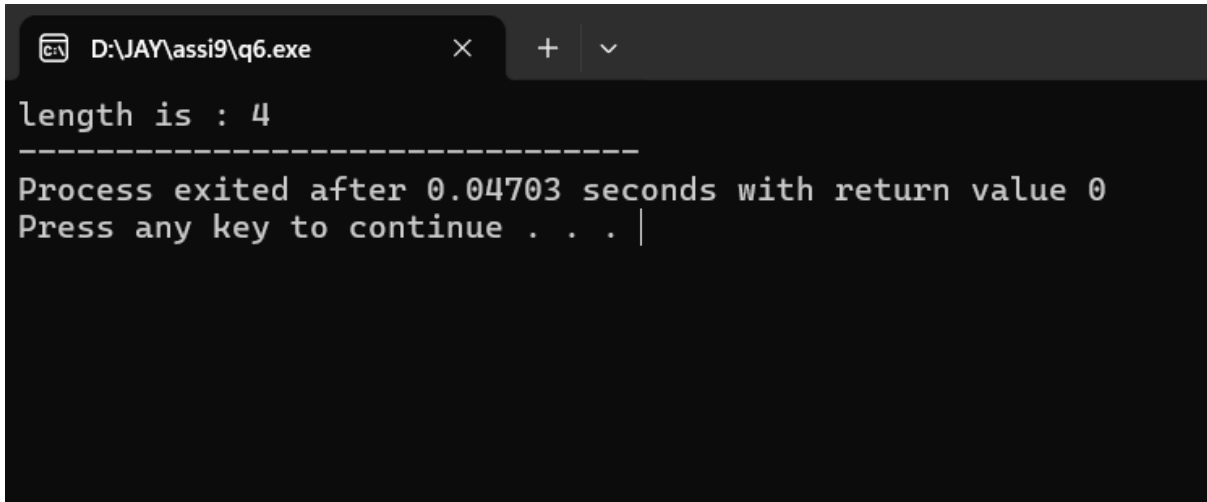
```
        }
```

```
    }
```

```
    printf("%s",togg);
```

```
}
```

Q-6.



```
D:\JAY\assi9\q6.exe
length is : 4
-----
Process exited after 0.04703 seconds with return value 0
Press any key to continue . . . |
```

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

```
int main(){
```

```
    char str[]={'d','f','g','l'};
```

```
    int i=0;
```

```
    while(str[i]!='\0'){
```

```
        i++;
```

```
    }
```

```
    printf("length is : %d",i);
```

```
    return 0;
```

```
}
```

Q-7.

```
D:\JAY\assi9\q7.exe
Enter string :hello world
enter start index : 2
enter ending index : 4
llo

-----
Process exited after 11.04 seconds with return value 0
Press any key to continue . . . |
```

```
#include <stdio.h>

#include <string.h>

int main(){

    char s[100];

    char s1[100];

    int st,en;

    int i=0;

    printf("Enter string :");

    gets(s);

    printf("enter start index : ");

    scanf("%d",&st);

    printf("enter ending index : ");

    scanf("%d",&en);

    for(int j=st;j<=en;j++){

        s1[i]=s[j];

        i++;

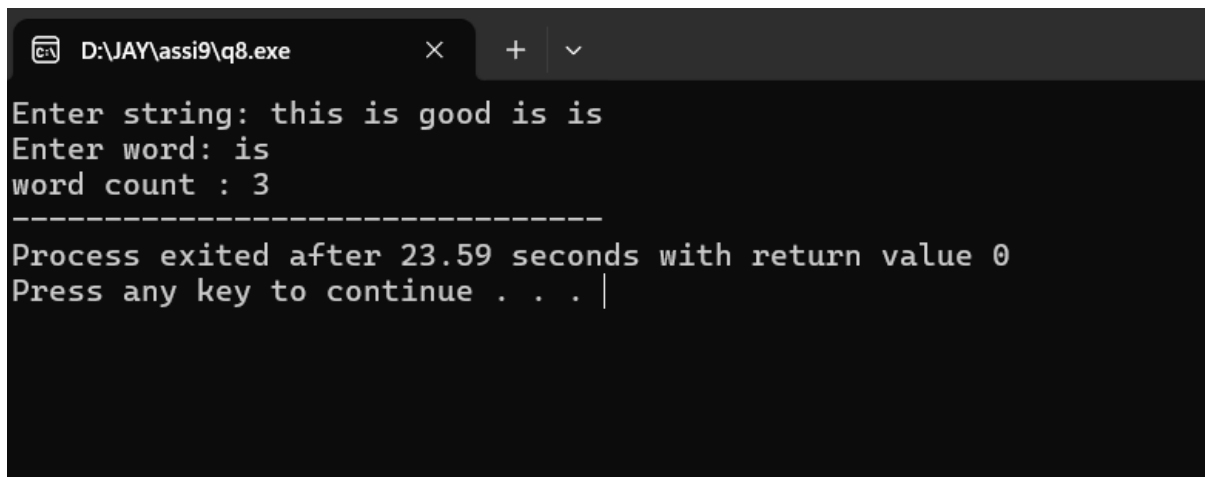
    }

    puts(s1);

    return 0;

}
```

Q-8.



```
D:\JAY\assi9\q8.exe
Enter string: this is good is is
Enter word: is
word count : 3
-----
Process exited after 23.59 seconds with return value 0
Press any key to continue . . . |
```

```
#include <stdio.h>

#include <string.h>

int main(){

    char s[1000];

    char s1[100];

    int i=0;

    printf("Enter string: ");

    gets(s);

    printf("Enter word: ");

    gets(s1);

    int count=0;

    char str[100];

    while(i<strlen(s)){

        int k=0;

        while(s[i]!=' ' && i<strlen(s)){

            str[k]=s[i];

            i++;

            k++;

        }

        i++;
```



```

        str[k]='\0';
        if(strcmp(str,s1)==0){
            count++;
        }

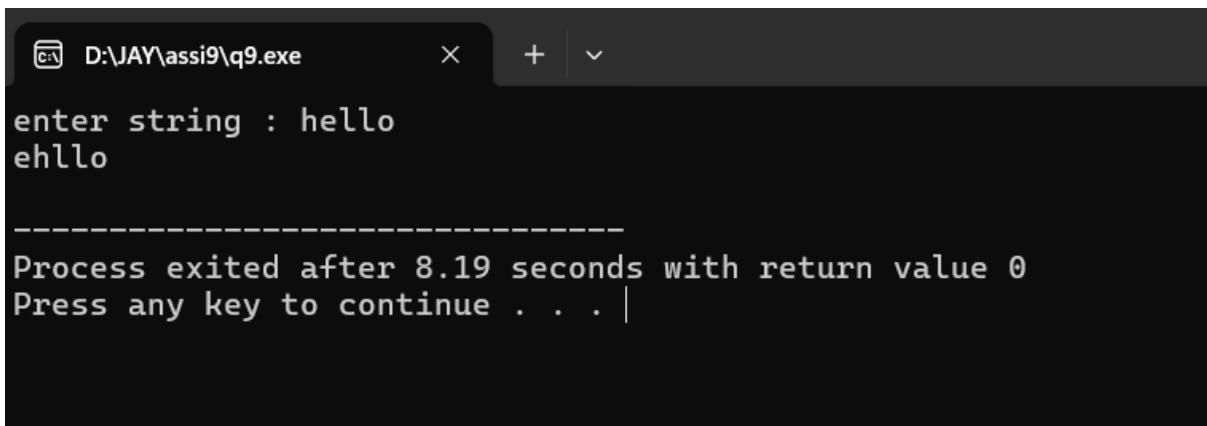
    }

    printf("word count : %d",count);

    return 0;
}

```

Q-9.



```

D:\JAY\assi9\q9.exe
enter string : hello
ehllo

-----
Process exited after 8.19 seconds with return value 0
Press any key to continue . . . |

```

```

#include <stdio.h>

#include <string.h>

int main(){

    char str[100];

    printf("enter string : ");

    gets(str);

    int n=strlen(str);

    int count=0;

    while(count<=n){

        for(int j=0;j<n-1;j++){

            if(str[j]>str[j+1]){

                int temp=str[j];

```

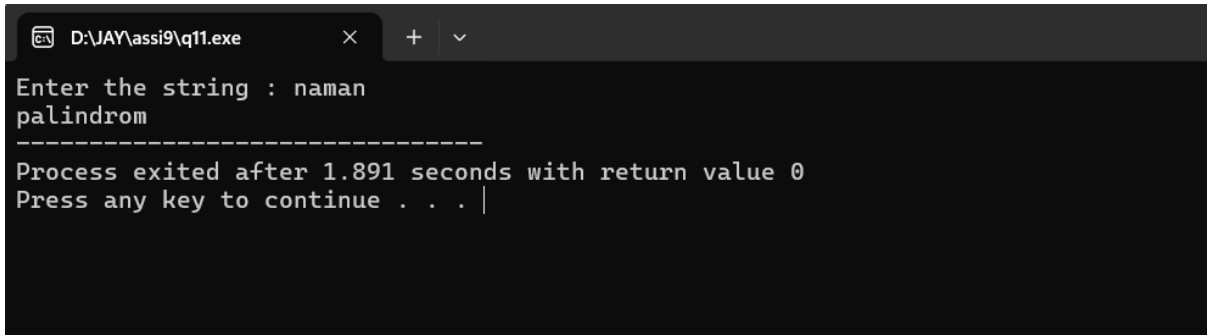
```

    str[j]=str[j+1];
    str[j+1]=temp;
}
}
count++;
}
puts(str);

    return 0;
}

```

Q-11.



```

D:\JAY\assi9\q11.exe
Enter the string : naman
palindrom
-----
Process exited after 1.891 seconds with return value 0
Press any key to continue . . . |

```

```

#include <stdio.h>

#include <string.h>

int main(){

    char str[100];

    printf("Enter the string : ");

    gets(str);

    int n = strlen(str);

    int s=0,e=n-1;

    while(e>s){

        if(str[e]!=str[s]){

            printf("not palindrom");

            return 0;

        }

        s++;
    }
}

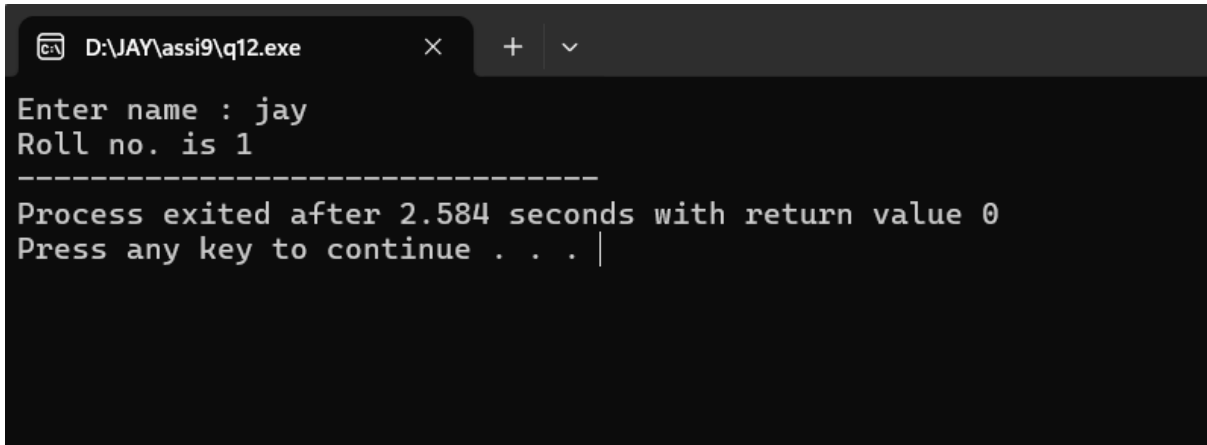
```

```

        e--;
    }
    printf("palindrom");
    return 0;
}

```

Q-12.



```

D:\JAY\assi9\q12.exe
Enter name : jay
Roll no. is 1
-----
Process exited after 2.584 seconds with return value 0
Press any key to continue . . . |

```

```

#include <stdio.h>

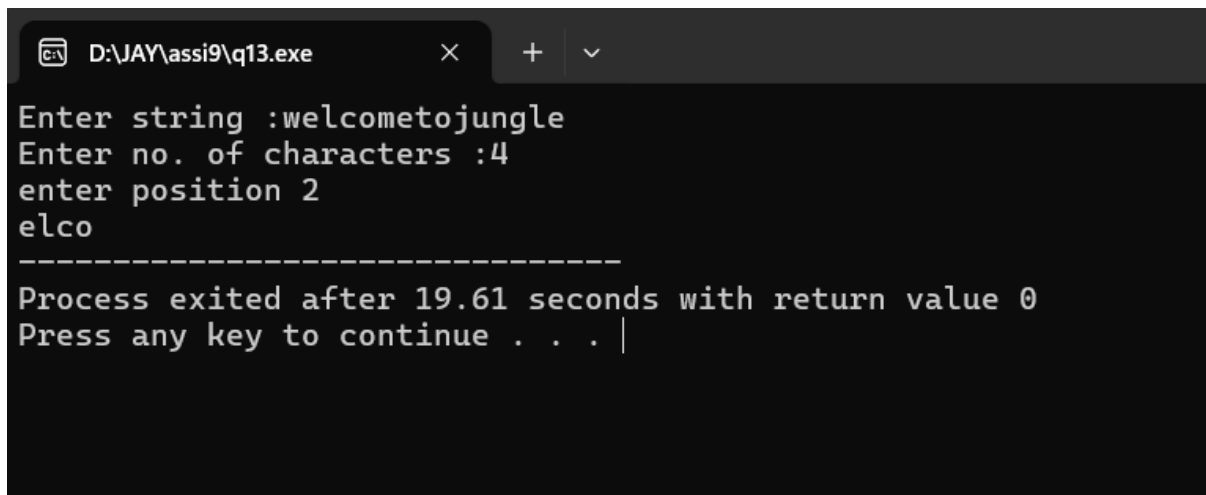
#include <string.h>

int main(){
    char str[6][100]={"jay","jvel","dhruv","dev","rupesh","tarun"};
    char s[20];
    printf("Enter name : ");
    gets(s);
    for(int i=0;i<6;i++){
        if(strcmp(s,str[i])==0){
            printf("Roll no. is %d",i+1);
        }
    }
    return 0;
}

```

```
}
```

Q-13.



```
D:\JAY\assi9\q13.exe
Enter string :welcometojungle
Enter no. of characters :4
enter position 2
elco
-----
Process exited after 19.61 seconds with return value 0
Press any key to continue . . . |
```

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

```
int main(){
```

```
    int m,n;
```

```
    char s1[100];
```

```
    char s2[100];
```

```
    printf("Enter string :");
```

```
    scanf("%s",&s1);
```

```
    printf("Enter no. of characters :");
```

```
    scanf("%d",&m);
```

```
    printf("enter position ");
```

```
    scanf("%d",&n);
```

```
    int k=0;
```

```
    for(int i=n-1;i<m+n-1;i++){
```

```
        s2[k]=s1[i];
```

```
        k++;
```

```
    }
```

```
printf("%s",s2);
```

```
return 0;
```

```
}
```