

IMPORTANT STRING PROGRAMS

1)#include<stdio.h>

```
int main()
{
    char a[100];
    int i,len=0;
    scanf("%s",a);
    while(a[i])
    {
        i++;
        len++;
    }
    printf("%d",len);
    return 0;
}
```

2)#include<stdio.h>

```
int main()
{
    char a[100],b[100];
    int i=0;
    scanf("%s",a);
    for(i=0;a[i];i++)
    {
        b[i]=a[i];
    }
    b[i]=0;
    printf("%s",b);
    return 0;
}
```

```

3)#include<stdio.h>

#include<string.h>

int main()
{
    char a[100],b[100];

    int len;

    scanf("%s",a);

    scanf("%s",b);

    strcat(a,b);

    printf("%s",a);

    return 0;
}

```

```

11)#include<stdio.h>

int main()
{
    char a[100];

    int i,len=0;

    scanf("%s",a);

    while(a[i]){

        len++;

        i++;

    }

    len--;

    while(len>=0)

    {

        printf("%c",a[len]);

        len--;

    }
}

```

```
return 0;
```

```
}
```

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

```
int main()
```

```
{
```

```
    char str[20];
```

```
    int i,length,flag=0;
```

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

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

```
    length=0;
```

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

```
    {
```

```
        length++;
```

```
    }
```

```
    for(i=0;i<length;i++)
```

```
    {
```

```
        if(str[i]!=str[length-i-1])
```

```
        {
```

```
            flag=1;
```

```
            break;
```

```
        }
```

```
    }
```

```
    if(flag)
```

```
    {
```

```
        printf("\n%s is not palindrome",str);
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("\n%s is palindrome",str);
```

```
    }
```

```
    return 0;
}
```

```
5)#include<stdio.h>
#include<string.h>
int main()
{
    int i;
    char a[10];
    scanf("%s",a);
    for(i=0;a[i];i++)
    {
        if(a[i]>=65 && a[i]<=90)
            printf("%c",a[i]);
        else
        {
            printf("%c",a[i]-32);
        }
    }
    return 0;
}
```

```
6)#include<stdio.h>
#include<string.h>
int main()
{
    int i;
    char a[10];
    scanf("%s",a);
    for(i=0;a[i];i++)
    {
```

```

        if(a[i]>=65 && a[i]<=90)
            printf("%c",a[i]);
        else
        {
            printf("%c",a[i]+32);
        }
    }
    return 0;
}

```

```

4)#include<stdio.h>
#include<string.h>
int main()
{
    int i;
    char a[10],b[10],k,d;
    scanf("%s",a);
    scanf("%c",&d);
    scanf("%s",b);
    k=strcmp(a,b);
    if(k==0)
        printf("both are same");
    else if(k>0)
        printf("b is greater");
    else
        printf("a is smaller");
    return 0;
}

```

```

20)#include<stdio.h>
#include<string.h>

```

```

int main()
{
    char a[100];
    int i,b[26]={0};
    printf("enter string\n");
    scanf("%s",a);
    for(i=0;a[i];i++)
    {
        b[a[i]-97]++;
    }
    for(i=0;i<26;i++)
    {
        if(b[i]>0)
            printf("%c=%d\n",i+97,b[i]);
    }
    return 0;
}

```

9)#include<stdio.h>

#include<string.h>

```

int main()
{
    char a[50];
    int i,vc=0,cc=0;
    printf("enter any string\n");
    scanf("%s",a);
    for(i=0;i<strlen(a);i++)
    {

if(a[i]=='a' || a[i]=='e' || a[i]=='i' || a[i]=='o' || a[i]=='u' || a[i]=='A' || a[i]=='E' || a[i]=='I' || a[i]=='O' || a[i]=='U')

        vc=vc+1;
    }
}

```

```

        else

        cc=cc+1;

    }

    printf("\n vowelcount is %d",vc);

    printf("\n consonant count is %d",cc);

    return 0;

}

```

```

10)#include<stdio.h>

#include<string.h>

int main()

{

    char a[100];

    int i,count=0;

    printf("enter the sentence\n");

    gets(a);

    for(i=0;i<strlen(a);i++)

    {

        if(a[i]==' ')

            count=count+1;

    }

    printf("\nthe total words in the sentence is %d",count+1);

    return 0;

}

```