

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

```
void main()
{
    char *MyString;
    int i;

    MyString = "Hello World!";
    for (i=0 ; MyString[i] != '\0' ; i++)
    {
        printf("%c\n",MyString[i]);
    }
}
```

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

void main()
{
    char *MyString;
    int i,ACount,BCount;

    MyString = "aababaabab";

    ACount = 0;
    BCount = 0;

    for (i=0 ; MyString[i] ; i++)
    {
        if (MyString[i] == 'a')
        {
            ACount++;
        }
        else if (MyString[i] == 'b')
        {
            BCount++;
        }
    }
    printf("The string contains %d a's\n",ACount);
    printf("The string contains %d b's\n",BCount);
}
```

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

void main()
{
    char FirstName[100],LastName[100];

    printf("Enter your name: ");
    scanf("%s %s",FirstName,LastName);
    printf("Your first name is %s\n",FirstName);
    printf("Your last name is %s\n",LastName);
}
```

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

void main()
{
    char MyLine[100];
    int i;

    printf("Enter Some Text: ");
    gets(MyLine);
    for (i=0 ; MyLine[i] ; i++)
    {
        if (MyLine[i] >= 'a' && MyLine[i] <= 'z')
        {
            MyLine[i] += 'A' - 'a';
        }
    }
    printf("The Corrected Text is: %s\n",MyLine);
}
```

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

void main()
{
    char MyLine[100];
    char *TempChar;

    printf("Enter Some Text: ");
    gets(MyLine);
    for (TempChar = MyLine ; *TempChar ; TempChar++)
    {
        printf("%c ",*TempChar);
    }
    printf("\n");
}
```

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

void main()
{
    char MyLine[100];
    int i;
    int Count;

    printf("Enter Some Text: ");
    gets(MyLine);
    Count = 0;
    for (i=0 ; MyLine[i] ; i++)
    {
        Count++;
    }
    printf("You Entered %d Characters\n",Count);
}
```

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

void main()
{
    char MyLine[100];

    printf("Enter Some Text: ");
    gets(MyLine);
    printf("You Entered %d Characters\n",strlen(MyLine));
}
```

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

void main()
{
    char String1[100],String2[100];

    printf("Enter two strings: ");
    scanf("%s %s",String1,String2);
    if (strcmp(String1,String2) == 0)
    {
        printf("%s is the same as %s\n",String1,String2);
    }
    else if (strcmp(String1,String2) == -1)
    {
        printf("%s is smaller than %s\n",String1,String2);
    }
    else if (strcmp(String1,String2) == 1)
    {
        printf("%s is larger than %s\n",String1,String2);
    }
}
```

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#include <stdio.h>
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void main()
{
    char String1[100],String2[100];

    printf("Enter two strings: ");
    scanf("%s %s",String1,String2);
    if (strcmp(String1,String2) == 0)
    {
        printf("%s is the same as %s\n",String1,String2);
    }
    else if (strcmp(String1,String2) == -1)
    {
        printf("%s is smaller than %s\n",String1,String2);
    }
    else if (strcmp(String1,String2) == 1)
    {
        printf("%s is larger than %s\n",String1,String2);
    }
}
```

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

void main()
{
    char String1[100],String2[100];

    printf("Enter a string: ");
    scanf("%s",String1);
    strcpy(String2,String1);
    printf("The original: %s\n",String1);
    printf("The copy: %s\n",String2);
}
```