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#include <cstring>
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#include <iostream>
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using namespace std;
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// int strlen(char *);
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```
// char *strcpy(char *dest, char *source);
```

```
// char *strcat(char*dest, char*source);
```

```
// char * strchr ( char * str, int character );
```

```
int main() {
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    char first[100] = "-This is my, first cstring";
```

```
    char second[100] = "This is my second cstring";
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```
    char third[100] = "";
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```
    const char constCstring[50] = "This is a constant cstring";
```

```
    cout << "first = " << first << "\nsecond = " << second
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```
        << "\nthird = " << third << "\nconstCstring = " << constCstring << endl;
```

```
    cout << "The length of first cstring is: " << strlen(first) << endl;
```

```
    cout << "The output of strcpy(third, second) is: " << strcpy(third, second)
```

```
        << endl;
```

```
    cout << "The output of strcat(second, first) is: " << strcat(second, first)
```

```
        << endl;
```

```
    cout << "The output of strchr(first, 'f') is: " << strchr(first, 'f') << endl;
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    cout << "The output of strrchr(constCstring, 'c') is: "
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        << strchr(constCstring, 'c') << endl;
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```
    const char temp[10] = "my";
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    cout << "temp = " << temp << endl;
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    cout << "The output of strstr(first, temp) is: " << strstr(first, temp)
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    << endl;

cout << "The output of strtok(first, \" ,-/\\\") is: " << strtok(first, " ,-/\\")

    << endl;


// strlen(first);
// strcpy(first, second);
// strcat(first,second);
return 0;
}


// int strlen(char *_cstring) {
//  int length = 0;
//  while (_cstring[length] != '\\0')
//    length++;
//  cout << "The length of \"" << _cstring << "\" is: " << length << endl;
//  return length;
// }


// char *strcpy(char *dest, char *source) {
//  dest = source;
//  cout << "The dest is now \"" << dest << "\"\\n";
//  return dest;
// }


// char * strcat(char *dest, char *source) {
//  int length = 0;
//  while (dest[length] != '\\0')
//    length++;
//  for(int i =0;i<=length;i++){

```

```
// dest[length+i] = source[i];  
  
// }  
  
// cout << "The dest is now \"" << dest << "\"\n";  
  
// return dest;  
  
// }
```

```
❖ make -s  
❖ ./main  
first = -This is my, first cstring  
second = This is my second cstring  
third =  
constCString = This is a constant cstring  
The length of first cstring is: 26  
The output of strcpy(third, second) is: This is my second cstring  
The output of strcat(second, first) is: This is my second cstring-This is my, first cstring  
The output of strchr(first, 'f') is: first cstring  
The output of strrchr(constCString, 'c') is: constant cstring  
temp = my  
The output of strstr(first, temp) is: my, first cstring  
The output of strtok(first, " ,-/") is: This  
❖
```