

### Csp programming language (Central System Programming)

```
include lib (csp_h)
```

```
public func < void > Start ()
```

```
{
```

```
string firstname, lastname ×
```

```
char letter ×
```

```
int index
```

```
×
```

```
s1 = "Hello " ### string class is included in csp library ×
```

```
print(s1)
```

```
×
```

```
print("Whats your name?", endl) ### endl is inside print,
```

```
but does not show up, since is a console program line and not UI ×
```

```
read(firstname, lastname) ### reads two strings,
```

```
separated by space click, but does not save space
```

```
×
```

```
fullname = firstname + " " + lastname ### need to save space too,
```

```
+ only adds a string to the end of the other and increments the size automatically ×
```

```
print(fullname, endl)
```

```
×
```

```
size = fullname.size() ×
```

```
print(size)
```

```
×
```

```
read("Enter letter: ", letter) ### by this we search inside the string
```

```
the letter given. And will only output the first index the letter is found ×
```

```
int letterindex = fullname.search(letter) ×
```

```
if(letterindex ≥ 0) ### need to check if the letter is even inside the string,
```

```
when not found the result would be -1, so outside the array ×
```

```
print(letterindex) ×
```

```
else ×
```

```
print("NOT Found!")
```

```
×
```

```
read("Enter number: ", index) ×
```

```
print(fullname.search(index)) ### searches by index. If input is int then it will
```

```
search index, if char then outputs the index! But cannot search by string!
```

```
×
```

```
x = fullname.search(" ") ### cannot use char + int inside search! ×
```

```
firstLetterofName =
```

```
(fullname.search(0)) + (fullname.search(x + 1)) ### saves first letter in 0 index and
```

```

    first letter of lastname and puts it as string with 3 elements (/0 is also a indexx)
×
newString1 =
    fullname ### calls the copy constructor and copies the fullname inside newString1 ×
newString2.strcpy(fullname) ### does not work with basic library,
    since it is c++ and not csp code ×
print(newString1) ×
print(newString2) ### prints nothing since error
×
print(newString1.size()) size = size of fullname + 1, since /0 ×
print(newString2.size()) ### size = 0
×
Right1 = newString1.isEqual(newString2) ### compare string to string,
    Right1 is a boolean ×
Right2 = newString1.strcmp(newString2) ### does not exist, since c++ → error ×
print(Right1) ### 1 for true and 0 for false ×
print(Right2) ### error
×
print(fullname[0]) ### prints first place in fullname
×
### search func of searching a string inside a string :
func < bool > searchByString(string A, string B) const : bool ok ×
{
    ok = false ×
    if(A.size() < B.size()) ×
    {
        return false
    } ×
    for(i = 0, i < A.size(), i++) ×
    {
        if(A[i] == B[0]) ×
        {
            for(j = i, j < B.size()-1, j++) ×
            {
                if(A[j] == B[j]) ×
                {
                    ok = true
                }
            } ×
        }
        if(ok) ×
        {
            break
        } ×
    }
} ×

```

```
else ✕  
{  
  ok = false  
}  
}  
} ✕  
return ok  
}
```