Lesson 54 (Mercedes)

A program to search the number of cars in an exhibition, and prints the number of cars of Mercedes.

We define characters of array to record the names of car brands

The program will be as follows

```c
#include <stdio.h>
#include <string.h>
int main() {
char x[20][100] = {
"Mercedes","BMW","Mazda","Mercedes","BMW","Mercedes" };
//array of car bands
char y[20];
//here we stock of brand he is searching for
int i, num = 0;
//we can use any other name for the for, which means we can
//use for example k instead of i
printf("Enter the brand: ");
scanf("%s", y);
for (i = 0; i < 6; i++)
if (strcmp(y, x[i]) == 0)
```

```c
//compare name that user has entered to the other brands name
num++;
//if it exist we add 1 to num
printf("num: %d", num);
}
```

Try the code : [Click here!](#)

We can **shorten** the line of if in that way :

```c
num += strcmp(y, x[i]) == 0;
```