

main.c



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Output

```
1 //DAY 44
2 //Q87
3 #include <stdio.h>
4
5 int main() {
6     char str[100];
7     int i, spaces = 0, digits = 0, specialChars = 0;
8
9     printf("Enter a string: ");
10    fgets(str, sizeof(str), stdin);
11
12    for (i = 0; str[i] != '\0'; i++) {
13        if (str[i] == ' ') {
14            spaces++;
15        } else if (str[i] >= '0' && str[i] <= '9') {
16            digits++;
17        } else if ((str[i] >= '!' && str[i] <= '/') ||
18                (str[i] >= ':' && str[i] <= '@') ||
19                (str[i] >= '[' && str[i] <= '`') ||
20                (str[i] >= '{' && str[i] <= '~')) {
21            specialChars++;
22        }
23    }
24    printf("Spaces: %d\n", spaces);
25    printf("Digits: %d\n", digits);
26    printf("Special characters: %d\n", specialChars);
27
28    return 0;
29 }
```

Enter a string: a b1&2  
Spaces: 1  
Digits: 2  
Special characters: 1

=== Code Execution Successful ===

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```
1 //DAY 44
2 //Q88
3 #include <stdio.h>
4
5 int main() {
6     char str[100];
7     int i;
8
9     printf("Enter a string: ");
10    fgets(str, sizeof(str), stdin);
11
12    for (i = 0; str[i] != '\0'; i++) {
13        if (str[i] == ' ') {
14            str[i] = '-';
15        }
16    }
17
18    printf("Modified string: %s", str);
19
20    return 0;
21 }
```

Enter a string: HELLO WORLD  
Modified string: HELLO-WORLD

=== Code Execution Successful ===