Day 2: Conditional Statements: Switch ★

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Points: **9/10**

10
Days of JS
★★

Problem   Submissions   Leaderboard   Editorial 🔒   Topics

Objective

In this challenge, we learn about switch statements. Check out the attached tutorial for more details.

Task

Complete the getLetter(s) function in the editor. It has one parameter: a string, s, consisting of lowercase English alphabetic letters (i.e., a through z). It must return A, B, C, or D depending on the following criteria:

- If the first character in string s is in the set $\{a, e, i, o, u\}$, then return A.
- If the first character in string s is in the set $\{b, c, d, f, g\}$, then return B.
- If the first character in string s is in the set $\{h, j, k, l, m\}$, then return C.
- If the first character in string s is in the set $\{n, p, q, r, s, t, v, w, x, y, z\}$, then return D.

Hint: You can get the letter at some index i in s using the syntax s[i] or s.charAt(i).

Input Format

Stub code in the editor reads a single string denoting s from stdin.

Constraints

- $1 \leq |s| \leq 100$, where $|s|$ is the length of s.
- String s contains lowercase English alphabetic letters (i.e., a through z) only.

Output Format

Return either A, B, C, or D according to the criteria given above.

Sample Input 0

```
adfgt
```

Sample Output 0

```
A
```

Explanation 0

The first character of string $s = \mathbf{adfgt}$ is a. Because the given criteria stipulate that we print A any time the first character is in $\{a, e, i, o, u\}$, we return A as our answer.

Change Theme   Language: JavaScript (Node.js)

```
25     function getLetter(s) {
26
27         switch(s.charAt(0))
28         {
29             case('a'||'e'||'i'||'o'||'u'):
30                 return 'A'
31
32             case('b'||'c'||'d'||'f'||'g'):
33                 return 'B'
```

```
34
35        case('h'||'j'||'k'||'l'||'m'):
36            return 'C'
37
38        case('z'||'n'||'p'||'q'||'r'||'s'||'t'||'v'||'w'||'x'||'y'):
39            return 'D'
40    }
41  }
42
43
44  function main() {
45      const s = readLine();
46
47      console.log(getLetter(s));
48  }
```

Line: 27 Col: 17

⤒ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

⊘ **Test case 0**

⊘ **Test case 1** 🔒

⊘ **Test case 2** 🔒

⊘ **Test case 3** 🔒

⊘ **Test case 4** 🔒

Compiler Message

Success

Input (stdin)   Download

1   adfgt

Expected Output   Download

1   A

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