



Internship Challenge

Here is the opportunity you have been requesting for. Pabau is looking for talented interns to be part of our Software Development Team.

Description

You are required to gather data on a specific path, such as a walking route. You need to follow a path of characters and collect letters:

- Start at the character >
- Follow the path
- Collect letters
- Stop when you reach the character s

Input: A matrix representing the grid, it can be constant

Output:

- Path
- Letters

Example

```
>---A---+
      |
s-B--+  C
      |  |
      +---+
```

Output:

- Path @---A---+|C|+---+|+-B-s
- Letters ACB

Your assignment

```
>---A-@--+
      |
+-U--+  C
|      |  |
s      C---+
```

Keep in mind

- The only valid characters are all uppercase letters (A-Z)
- Turns can be letters or +
- Use Typescript or any programming language of your choice
- Readable, simple code
- Name the code based on variables that explain themselves
- Bonus points for using nodejs/typescript
- You can upload the code to GitHub, GitLab, or Bitbucket and share the repository link or send it as zip file to blerina@pabau.com

P.S.

Please endeavor to tackle the challenge independently, as we value seeing your individual effort, even if the solution isn't entirely correct. This allows us to gauge your problem-solving approach, including how you name variables, iterate through data, separate main logic from helper functions, and navigate obstacles. Remember, the challenge is not solely about assessing your coding proficiency, but rather about understanding your thought process when faced with challenges. Your attempt, regardless of correctness, provides material for discussion during the interview.