

## Job Application Details

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Please save this link - [https://careers.inkoop.io/job\\_posts/js-developer-intern/applicants/Xrp2QgostBuCCAmxtvKecBH2](https://careers.inkoop.io/job_posts/js-developer-intern/applicants/Xrp2QgostBuCCAmxtvKecBH2), you can use the link to track your application progress. The link has also been sent to your email.

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### Submit your answer

- There is a car with 50L of petrol.
- It needs to travel from 0 to 100 KMs.
- The car moves in steps, at each step car can move between 0 KM to 6 KM (generate a random number).
- The car has a mileage of 0.5 KM/L.
- You can place 6 random petrol pumps on the road.
- Every time the car reaches the petrol pump exactly, the car gets a refill of 30 L.
- Write a JavaScript code to run this game and print every step of the car with the current position, petrol remaining.
- Add a button on the page "Start" which should start the game.
- Print the result of the game in the document window.
- If the start button is clicked again, it should clear the window and start the game again.
- **Solve the problem in <https://jsfiddle.net/> or <https://codepen.io/> and submit the link below.**
- **Deadline - 2 days**

### Sample outcomes

```
Game started
Petrol pumps generated at 10, 27, 37, 39, 62, 75

Move 1 - car at 5, petrol remaining 40
Move 2 - car at 10, petrol remaining 60
Move 3 - car at 12, petrol remaining 56
Move 4 - car at 17, petrol remaining 46
Move 5 - car at 19, petrol remaining 42
Move 6 - car at 22, petrol remaining 36
Move 7 - car at 27, petrol remaining 56
Move 8 - car at 30, petrol remaining 50
Move 9 - car at 34, petrol remaining 42
Move 10 - car at 37, petrol remaining 66
Move 11 - car at 43, petrol remaining 54
Move 12 - car at 48, petrol remaining 44
Move 13 - car at 51, petrol remaining 38
Move 14 - car at 54, petrol remaining 32
Move 15 - car at 59, petrol remaining 22
Move 16 - car at 65, petrol remaining 10
Move 17 - car at 66, petrol remaining 8
Move 18 - car at 70, petrol remaining 0, game over
```

```
Game started
Petrol pumps generated at 30, 45, 48, 68, 78, 90

Move 1 - car at 5, petrol remaining 40
Move 2 - car at 9, petrol remaining 32
Move 3 - car at 15, petrol remaining 20
Move 4 - car at 21, petrol remaining 8
Move 5 - car at 25, petrol remaining 0
Move 6 - car at 25, petrol remaining 0, game over
```

```
Game started
Petrol pumps generated at 2, 8, 18, 71, 72, 95

Move 1 - car at 6, petrol remaining 38
Move 2 - car at 12, petrol remaining 26
Move 3 - car at 15, petrol remaining 20
Move 4 - car at 18, petrol remaining 44
Move 5 - car at 24, petrol remaining 32
Move 6 - car at 29, petrol remaining 22
Move 7 - car at 35, petrol remaining 10
Move 8 - car at 40, petrol remaining 0
Move 9 - car at 40, petrol remaining 0, game over
```

Answer / solution link

Submit Answer

## JS Developer Intern | Job details

**Salary:** 15000 INR

### A bit about the company -

Inkoop is a group of software engineers, creative designers, and technology consultants coming together to deliver marvelous Software products to our clients. We are also building products to solve complex business problems.

To know more about the technologies we work with, please visit our website <https://www.inkoop.io/>.

We are planning to expand our team to explore new opportunities and looking for creative, enthusiastic, and passionate individuals to join our team.

Timings - **9 AM to 6 PM** Mon to Fri

This is a **6-month internship** with the option to extend to a full-time job after 6 months. This is work from home offer until the Covid issue settles down.

### Requirements:

- Good Problem Solving Skills
- Understanding of HTML and CSS.
- Strong understanding of JavaScript.
- Knowledge of Git and GitHub
- Added advantage if you know React, Node or Vue.

### Specifications:

- Freshers can apply.
- Students who are in their last semester can also apply.

### Please don't apply if -

1. You are not available for the full 6 months of the internship.
2. If you have applied for an internship before with us.
3. If you are not an Indian resident.

**Skip if any of that is a deal-breaker for you.**

**Please follow the instructions carefully and don't submit any solutions over Email or other hiring platforms, only solutions submitted on this website will be considered.**