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**Self-Made Assignment - Java Script**

**Window Object in JavaScript**

Ques 1- Write a simple interactive web page that demonstrates key features of the Browser Object Model (BOM) using window.\*, plus one DOM interaction to display output.

Instruction:-

- Show browser + device info when the page loads:
  - Full URL (window.location.href)
  - Domain (location.hostname) + Path (location.pathname)
  - Screen resolution (window.screen.width & screen.height)
  - Viewport size (window.innerWidth & innerHeight)
  - Include four buttons, each wired to a window method:
  - Reload → calls location.reload()
  - Open → opens https://example.com in a new tab using window.open(...)
  - Back / Forward → calls history.back() or history.forward()
  - Scroll → scrolls the page down by 300px using scrollBy({ top: ..., behavior: 'smooth' })
  - Show timed dialogs:
  - After 1 second, use window.setTimeout(...) to show an alert.
  - Then prompt() the user's name.
  - Then confirm(...) to verify the name.
  - Show another alert() depending on the confirm result (“Welcome, [name]!” or “Okay, no problem.”)
  - Explain BOM vs. DOM in comments in the code:
  - window refers to BOM: controlling browser behavior and info.
  - document is part of the DOM: representing the HTML structure visible to the user.
- You'll use one DOM call in your code to insert the info into a <div>.

**Output**

**Browser (BOM) Demonstration**

```

URL: file:///C:/Users/Mehul%20Sethi/Documents/KATYY.HTML
Domain:
Path: /C:/Users/Mehul%20Sethi/Documents/KATYY.HTML
Screen: 1366x768px
Viewport: 1366x625px
            
```

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The image displays four sequential screenshots of JavaScript dialog boxes:

- Alert:** A simple dialog box with the text "Hello! Let's start the demo." and an "OK" button.
- Prompt:** A dialog box titled "What is your name?" with a text input field containing "Aman", a checkbox for "Prevent this page from creating additional dialogs", and "OK" and "Cancel" buttons.
- Confirm:** A dialog box with the text "So your name is Aman?" and a checkbox for "Don't allow this site to prompt you again", with "OK" and "Cancel" buttons.
- Custom Dialog:** A dialog box with the text "Welcome, Aman!" and a checkbox for "Don't allow this site to prompt you again", with an "OK" button.

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