JavaScript Switch Case (Roman Urdu – Beginner Friendly)

Course: Web And App Development
Class Topic: JavaScript Switch Case Statement
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1. Class Overview

Aaj ki class mein hum **switch case statement** seekhain ge. Switch case ka use tab hota hai jab humein **ek hi variable ki multiple values check karni hon**. Ye `if-else` ka **clean aur readable alternative** hota hai.

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2. Learning Outcomes

Is lecture ke baad students:

- Switch case ka concept samajh jayen ge
- Switch aur if-else ka difference samajhain ge
- Real-life examples se switch case use kar sakain ge
- Prompt se user input lena seekhain ge
- `document.write()` se output show karna seekhain ge
- Common mistakes avoid kar sakain ge

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3. Switch Case Kya Hai?

Definition:
`switch case` ek decision-making statement hai jo **ek variable ki value ko multiple cases se match karta hai**.

📌**Asaan alfaaz mein:** Jab bohat saari conditions ek hi value par lagani hon, to switch case use hota hai.

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4. Switch Case ka Structure (Syntax)

```
<script>
let value = prompt("Koi value enter karein:");
```

```
switch(value) {
  case "A":
    document.write("A select hua");
    break;

  case "B":
    document.write("B select hua");
    break;

  default:
    document.write("Koi match nahi mila");
}
</script>
```

5. `break` Kyun Zaroori Hai?

- `break` switch ko **rok deta hai**
- Agar `break` na lagaya jaye to **next cases bhi run ho jate hain**

📌**Beginner Tip:** Har case ke baad `break` zaroor likhein.

6. Real-Life Example (Day Selector)

```
<script>
let day = prompt("Day number enter karein (1-7):");

day = Number(day);

switch(day) {
  case 1:
    document.write("Monday");
    break;
  case 2:
    document.write("Tuesday");
    break;
  case 3:
    document.write("Wednesday");
    break;
  case 4:
    document.write("Thursday");
    break;
  case 5:
    document.write("Friday");
```

```
      break;
    case 6:
      document.write("Saturday");
      break;
    case 7:
      document.write("Sunday");
      break;
    default:
      document.write("Invalid day number");
  }
</script>
```

7. Switch Case vs If-Else

Switch Case	If-Else
Clean aur readable	Zyada conditions mein lengthy
Same variable check karta hai	Multiple conditions check karta hai
Fixed values ke liye best	Range conditions ke liye best

8. Common Beginner Mistakes

🪛 `break` bhool jana
🪛 String aur number ka mismatch
🪛 `default` case na likhna

📌 **Tip:** Agar input number ho to `Number()` zaroor use karein.

9. Practice Questions (Students ke liye)

1. User se number lein (1–3) aur fruit ka naam print karein
2. User se grade lein (A, B, C) aur message show karein
3. Calculator banayein (+ , - , * , /) using switch
4. Month number se month name print karein
5. Traffic signal colors par action show karein
6. User se weekday input lein
7. Menu based program banayein
8. ATM options ka switch case banayein

10. Important Notes

- JavaScript **case-sensitive** hai
- `switch` strict comparison karta hai
- Prompt se input **string** hota hai
- Number input ke liye `Number()` use karein

"The Best among you are those who have best manners and character."