Heaven's light is our guide

Rajshahi University of Engineering & Technology

(RUET), Rajshahi

Department

Of

Electrical and Computer Engineering

LAB REPORT-2

Course No: ECE-3118

Course Title: Software Engineering and Information System Design Sessional

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Naming conventions in programming are essential for writing clean, readable, and maintainable code.

1. **Camel Case:** Camel case is a naming convention where the first letter of the first word is lowercase, and the first letter of each subsequent word is capitalized. This technique is commonly used for naming variables and functions in languages like JavaScript and Java.

Example:

- firstName
- totalAmount

Usage:

- **Variables**: let userName = "John";
- **Functions**: function calculateTotal() {}

2. **Snake Case:** Snake case uses underscores to separate words, with all letters in lowercase. This convention is prevalent in languages like Python and Ruby.

Example:

- first_name
- total_amount

Usage:

- **Variables**: user_name = "John"
- **Functions**: def calculate_total():

3. **Pascal Case:** Pascal case is similar to camel case, but the first letter of every word, including the first one, is capitalized. This convention is often used for naming classes in languages like C# and Java.

Example:

- FirstName
- TotalAmount

Usage:

- **Classes**: class UserAccount {}

4. **Kebab Case:** Kebab case uses hyphens to separate words, with all letters in lowercase. This convention is mainly used in URLs and CSS class names.

Example:

- first-name
- total-amount

Usage:

- **CSS Classes**: .user-name {}