**AKINGBADE FAYOFUNMI AKINSANMI**

**H/CS/22/1036**

**COM 411**

**DATA TYPES IN PHP**

1. Integer: These are whole numbers without decimal points.
2. Float (Double): They are numbers with decimal points.
3. String: These are sequence of characters enclosed in single or double quotes.
4. Boolean: Boolean represents true or false values in a program.
5. Array: Array is a data structure or collection of key-values related together. It might be collection of string or numeric.
6. Object: Instances of user-defined classes.
7. NULL: This represents a variable with no value assigned.
8. Resource: A special variable holding a reference to an external resource.

**OPERATORS IN PHP:**

1. Arithmetic Operators: Addition (+), Subtraction (-), Multiplication (\*), Division (/), Modulus (%), Increment (++), Decrement (--).
2. Assignment Operators: Assigns a value to a variable (=), Combined assignment operators like +=, -=, \*=, etc.
3. Comparison Operators: Equal to (==), Identical to (===), Not equal to (! = or <>), Not identical to (!==), Greater than (>), Less than (<), Greater than or equal to (>=), Less than or equal to (<=).
4. Logical Operators: AND (&& or and), OR (|| or or), NOT (! Or not).
5. String Operators: Concatenation (.).
6. Array Operators: Union (+), Equality (==), Identity (===), Inequality (! = or <>), Non-identity (! ==), Merge (+=).
7. Increment/Decrement Operators: Increment (++), Decrement (--).
8. Ternary Operator: (condition) True: false.
9. Null Coalescing Operator: (Returns the value of the first operand if it exists and is not null, otherwise returns the second operand).