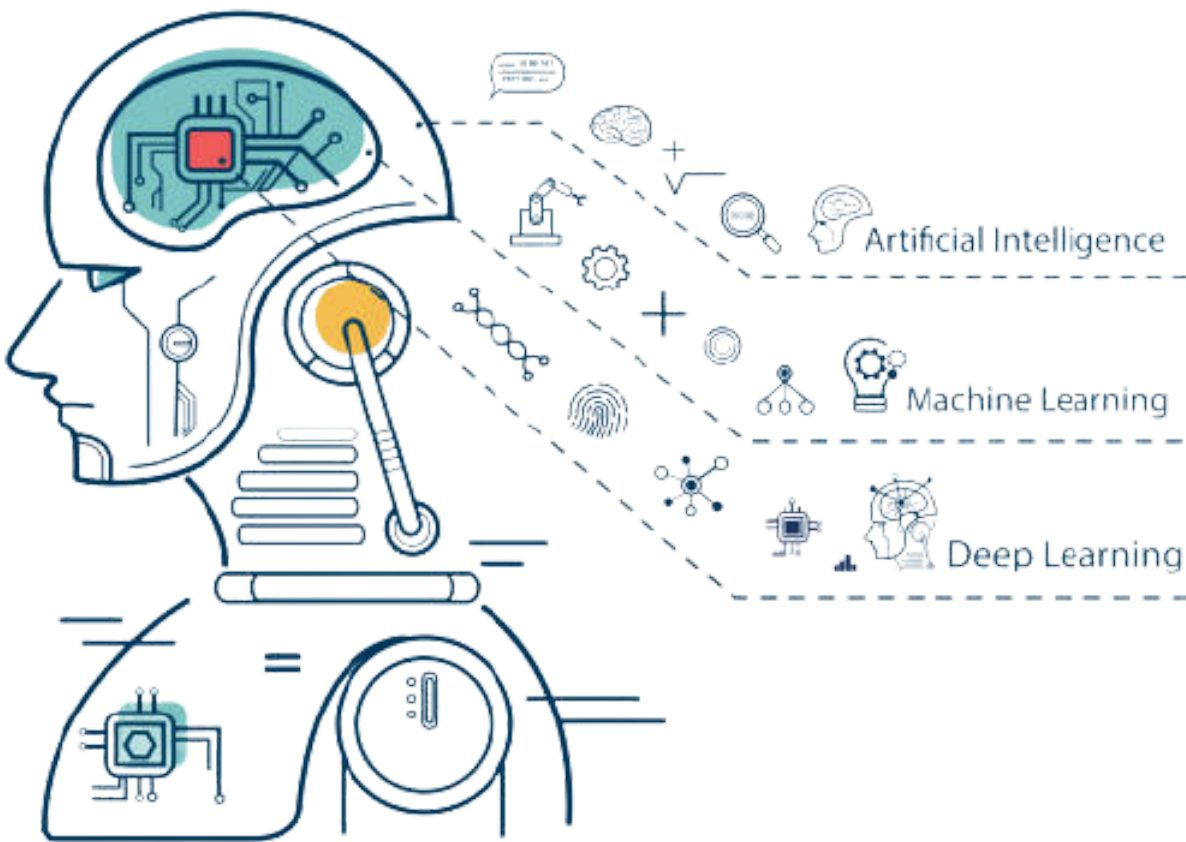


# DISCUSSION SESSION

# PYTHON FOR DATA SCIENCE

Week - 2



# *Introducing* **ABOUT ME**

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INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL

Here's the order of precedence for arithmetic, relational, assignment, logical, and bitwise operators in Python, from highest to lowest:

## 1. Arithmetic Operators

- Exponentiation ( `**` ): Highest precedence.
- Unary ( `+`, `-`, `~` ): Unary plus, unary minus, and bitwise NOT.
- Multiplication ( `*` ), Division ( `/` ), Floor Division ( `//` ), Modulus ( `%` )
- Addition ( `+` ), Subtraction ( `-` )

## 2. Bitwise Operators

- Bitwise Shift Operators ( `<<`, `>>` )
- Bitwise AND ( `&` )
- Bitwise XOR ( `^` )
- Bitwise OR ( `|` )

### 3. Relational (Comparison) Operators

- `<`, `<=`, `>`, `>=`
- Equality ( `==`, `!=` )

### 4. Logical Operators

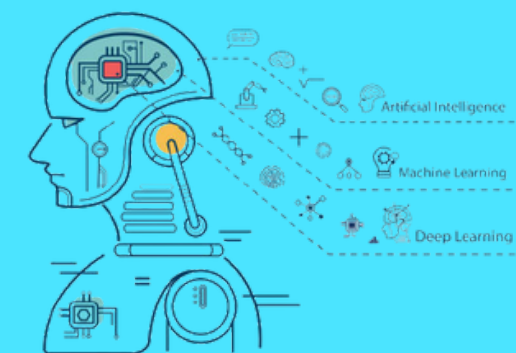
- Logical NOT ( `not` )
- Logical AND ( `and` )
- Logical OR ( `or` )

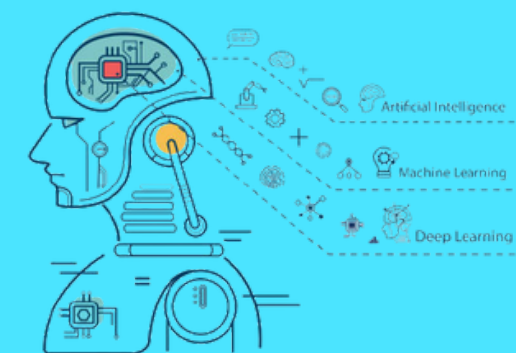
### 5. Assignment Operators

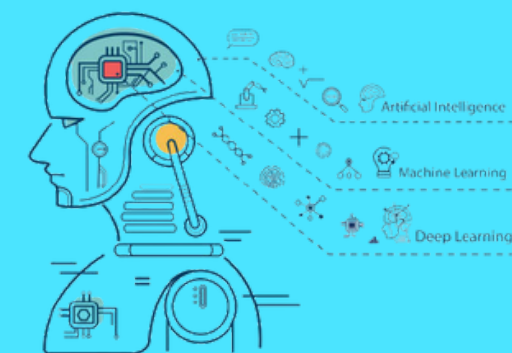
- Assignment ( `=`, `+=`, `-=`, `*=`, `/=`, `%=`, `//=`, `**=`, `&=`, `|=`, `^=`, `>>=`, `<<=` )

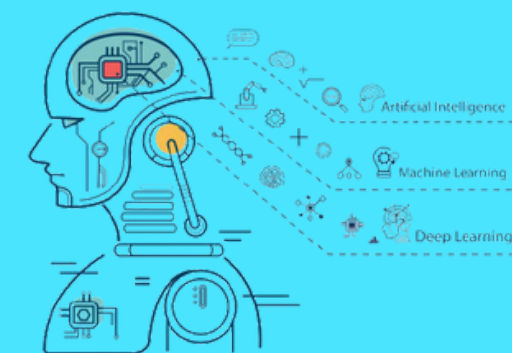
### 6. Miscellaneous Operators

- Identity Operators ( `is`, `is not` )
- Membership Operators ( `in`, `not in` )

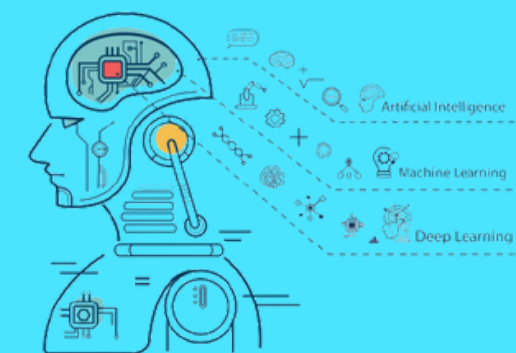


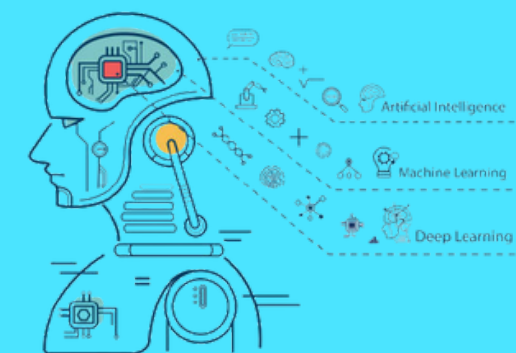


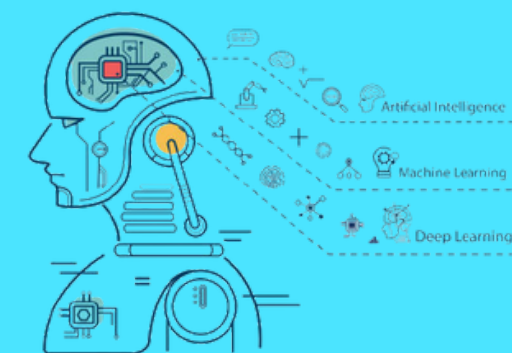


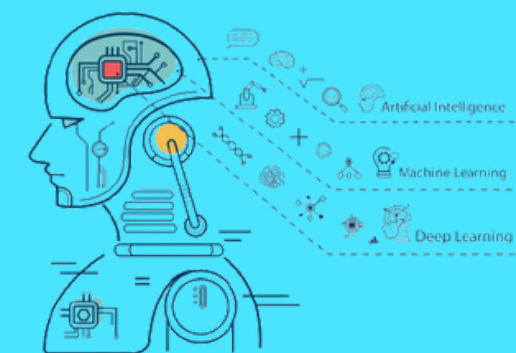














**THANKS  
FOR WATCHING**

