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 Assignment Operators

## Assignment Operators

The Assignment operators are used to assign a value to the variable. In Java, we can use many assignment operators. These are explained below:

i) +=: This assignment operator is used to add the left operand with the right operand and then assigning it to a variable on the left.

Example:

```
public class AssignmentOperator {
    public static void main(String args[]) {
        int num = 10;
        num += 20;    // num = num + 20;
        System.out.println(num);
    }
}
```

Output:

```
30
```

ii) -=: This assignment operator is used to subtract the left operand with the right operand and then assign it to a variable on the left.

Example:

```
public class AssignmentOperator {
    public static void main(String args[]){
        int num = 20;
        num -= 10;    // num = num - 10;
        System.out.println(num);
    }
}
```

Output:

```
10
```

iii) \*=: This assignment operator is used to multiply the left operand with the right operand and then assign it to a variable on the left.

Example:

```
public class AssignmentOperator {
    public static void main(String args[]) {
        int num = 10;
        num *= 5;    // num = num * 5;
        System.out.println(num);
    }
}
```

Output:

```
50
```

iv) /=: This assignment operator is used to divide the left operand with the right operand and then assign it to a variable on the left.

Example:

```
public class AssignmentOperator {
    public static void main(String args[]) {
        int num = 10;
        num /= 2;    // num = num / 2;
        System.out.println(num);
    }
}
```

Output:

```
5
```

v) %=: This assignment operator is used to modulo the left operand with the right operand and then assign it to a variable on the left.

Example:

```
public class AssignmentOperator {
    public static void main(String args[]) {
        int num = 19;
        num %= 2;    // num = num % 2;
        System.out.println(num);
    }
}
```

Output:

```
1
```

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