

## ASSIGNMENT-5

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1.write your own program using arithmetic number.

```
package edubridge;

public class Arithmetic {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a = 10;

        int b = 5;

        // addition operator

        System.out.println("a + b = " + (a + b));

        // subtraction operator

        System.out.println("a - b = " + (a - b));

        // multiplication operator

        System.out.println("a * b = " + (a * b));

        // division operator

        System.out.println("a / b = " + (a / b));

    }

}
```

2.write your own program using arithmetic assignment operators

```
package edubridge;

public class Operator {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a = 4;

        int var;

        // assign value using =

        var = a;

    }

}
```

```

System.out.println("var using =: " + var);

// assign value using +=
var += a;

System.out.println("var using +=: " + var);

var *= a;

System.out.println("var using *=: "+ var);

}

}

```

### 3.write your own program using relational operators

```

package edubridge;

public class Relational {

public static void main(String[] args) {

// TODO Auto-generated method stub

// create variables

int a = 10, b = 11;

// value of a and b

System.out.println("a is " + a + " and b is " + b);

// == operator

System.out.println(a== b); // false

// != operator

System.out.println(a!= b); // true

// > operator

System.out.println(a> b); // false

// < operator

System.out.println(a< b); // true

// >= operator

System.out.println(a>= b); // false

```

```
// <= operator

System.out.println(a<=b); // true

}

}
```

4.write your own program using logical operator

```
package edubridge;

public class Logical {

public static void main(String[] args) {

// TODO Auto-generated method stub

// && operator

System.out.println((10 > 5) && (8 > 10)); // true

System.out.println((10>5) && (8 <10)); // false

// || operator

System.out.println((10<5) || (8 > 10)); // true

System.out.println((10>3) || (8 <10)); // true

System.out.println((10<3) || (8 <10)); // false

// ! operator

System.out.println(!(10==5)); // true

System.out.println(!(10>5)); // false

}

}
```

5.write your own program to show the use of assignment operator.

```
package edubridge;

public class Assignment {

public static void main(String[] args) {

// TODO Auto-generated method stub

int num1 = 526, num2 = 2;
```

```

System.out.println("num1="+num1);

System.out.println("num2="+num2);

// Dividing & Assigning values

num1 /= num2;

// Displaying the assigned values

System.out.println("num1="+num1);

}

}

```

6.write a program to check age is greater than 18

```

package edubridge;

import java.util.Scanner;

public class Age {

    public static void main(String [] args) {

        int age;

        Scanner sc=new Scanner(System.in);

        System.out.println("what is Student age?");

        age=sc.nextInt();

        System.out.println(age>=18);

        System.out.println("Student age is greater than 18 it will declare true or false");

    }

}

```

7.write a program to check whether number is greater than 100 and 200?

```

package edubridge;

import java.util.Scanner;

public class Greater {

    public static void main(String[] args) {

        // TODO Auto-generated method stub
    }

}

```

```

int num;

Scanner sc=new Scanner(System.in);

System.out.println("enter number: ");

num=sc.nextInt();

System.out.println(num>=100||num>=200);

System.out.println("if number is greater than 100 or 200 it will show true
orelse false");

}

}

```

8.write a program to check whether both numbers are same or not.

```

package edubridge;

import java.util.Scanner;

public class Same {

public static void main(String[] args) {

// TODO Auto-generated method stub

int num1;

int num2;

Scanner sc=new Scanner(System.in);

System.out.println("enter number1: ");

num1=sc.nextInt();

System.out.println("enter number2: ");

num2=sc.nextInt();

System.out.println("if both are same it will declare true or false ");

System.out.println(num1==num2);

}

}

```