BITWISE RIGHT SHIFT OPERATOR IN JAVA

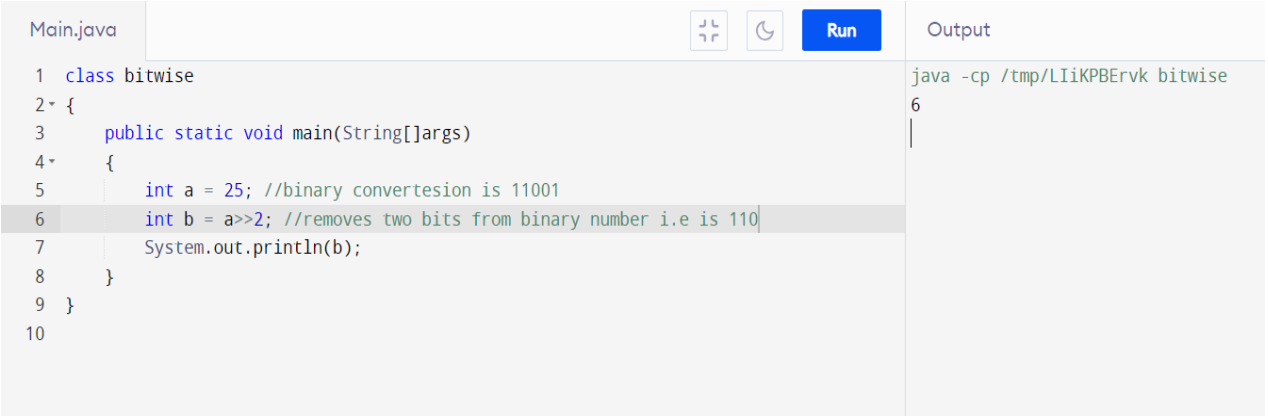
⇨ Right shift by 1 Divides the number by 2 in java

Ex: let's take a number 25 the output would be 12

⇨ Right shift by 2 removes two bits from right side of a binary number

Ex: 25 →binary conversion is 11001

→11001>>2 would be 110 therefore the value of binary number 110 is "6".



BITWISE LEFT SHIFT OPERATOR IN JAVA

⇨ Left shift by 1 Multiplies the number by 2 in java

Ex: 25 number multiplied by two in left shift by 1 is 50

Main.java

Run

Output

```
1  class bitwise
2  {
3      public static void main(String[]args)
4      {
5          int a = 25;
6          int b = a<<1;
7          System.out.println(b);
8      }
9  }
10
```

```
java -cp /tmp/LIiKPBErvk bitwise
50
```

⇨ Left shift by 2 adds two zeroes two a binary number

Ex: 25 binary conversion is 11001 after left shift by 2 it will become 1100100

The value is 100

Main.java

Run

Output

```
1  class bitwise
2  {
3      public static void main(String[]args)
4      {
5          int a = 25; // binary conversion is 11001
6          int b = a<<2; // adds two zeroes two the binary number i.e 1100100
7          System.out.println(b);
8      }
9  }
10
```

```
java -cp /tmp/LIiKPBErvk bitwise
100
```