**NAME:Devansh Ahuja ROLL NO:03 CLASS:D7A**

**Java code:**

**import java.util.\*;**

**class SwitchDemo**

**{**

**public static void main(String args[])**

**{**

**int x,y,option;**

**Scanner a=new Scanner(System.in);**

**System.out.println("1.logical\t2.bitwise\3.relational");**

**System.out.println("enter the option: ");**

**option=a.nextInt();**

**switch (option)**

**{**

**case 1:**

**{**

**boolean xx,yy;**

**System.out.println("enter two boolean value");**

**xx=a.nextBoolean();**

**yy=a.nextBoolean();**

**System.out.println(xx+"&"+yy+"="+(xx&yy));**

**System.out.println(xx+"|"+yy+"="+(xx|yy));**

**}break;**

**case 2:**

**{**

**System.out.println("enter two number");**

**x=a.nextInt();**

**y=a.nextInt();**

**System.out.println("right shift of "+x+"by one bit="+(x>>>1));**

**System.out.println("left shift of "+y+"by one bit="+(y<<1));**

**}break;**

**case 3:**

**{**

**System.out.println("enter two numbers");**

**x=a.nextInt();**

**y=a.nextInt();**

**if(x>y) System.out.println(x+" is greeater than "+y);**

**else if(y>x) System.out.println(y+" is greeater than "+x);**

**else System.out.println(x+"and"+y+"are equal");**

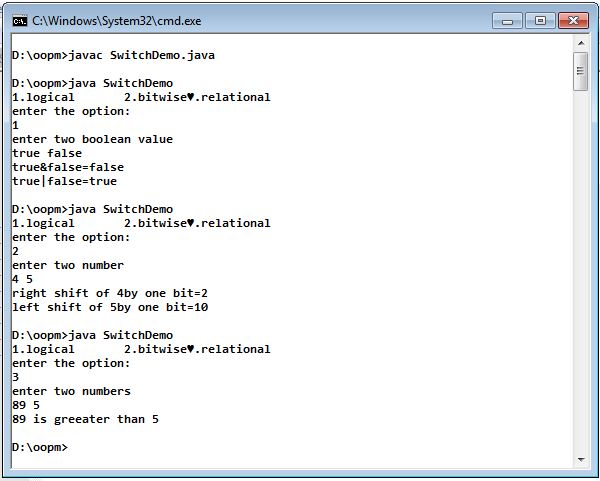
**}break;**

**}**

**}**

**}**

**Output:**

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