1.Problem Statement:

Print the result of following expressions provided the integer variable a is 20 and be is 10.

Int b=a-- - --a;

Int c=a—;

Int d=a>>2;

Int e=a&b;

2.Source code:

```java
//Program to print the result of the given expression.
package mypackage;

public class Expression {

    //Declaration of main method
    public static void main(String[] args) {

        //Declaring and assigning two integer variables
        int a=20;
        int b=10;

    //code for the given expression with different operations
        b=a-- - --a; //using pre,post decrement operators
        int c=a--; //using post decrement operator
        int d=a>>2;//sing using Bitwise Right shift operator
        int e=a&b; //Using Bitwise and operator

        System.out.println("    The output for the given
expression");
        //To insert a new line
        System.out.println();

        //To display the value of b,c,d,e after the operations as
performed.
        System.out.println("  The value of b is " + b);
        System.out.println("  The value of c is " + c);
        System.out.println("  The value of d is " + d);
        System.out.println("  The value of e is " + e);

    }
```
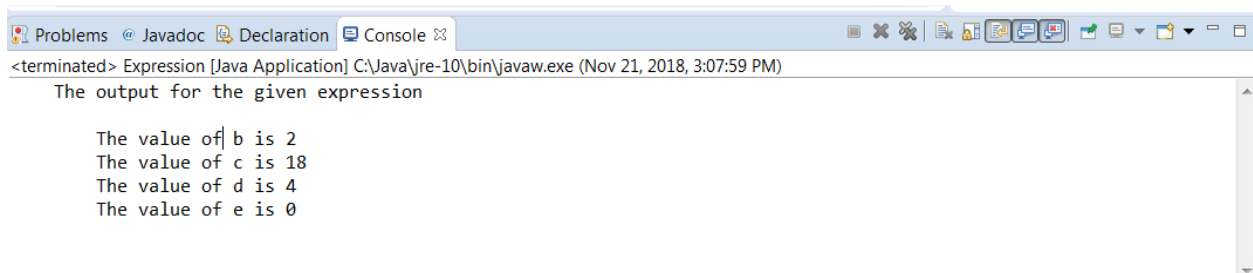
```
}//End program
```

3.Output:

```
    The output for the given expression

    The value of b is 2
    The value of c is 18
    The value of d is 4
    The value of e is 0
```

4.Additional Information:

Initially the two integer variables a and b are declared and assigned with values. As per the requirement, pre-decrement and post decrement operators are used to calculate the value of b and c. After that the bitwise right shift operator and bitwise and operator is used to calculate the values of the variables d and e accordingly. Finally, the latest values of the variables are displayed.