

/\* Problem Statement Write a program to print the sum of two numbers without using + operator. Other operators have to be used.\*/

Code:-

```
public class Assignment1_1 {

    public static void main(String args[]) {

        System.out.println(" Sum of 110 add 200 is : " + add(110, 200));

        System.out.println(" Sum of 0 and 0 is : " + add(0, 0));

        System.out.println(" Sum of -10 and +10 is : " + add(-10, 10));

        System.out.println(" Sum of -10 + 200 is : " + add(-10, 200));

        System.out.println(" Sum of 0 + 200 is : " + add(0, 200));

    }

    public static int add(int a, int b){

        if(b == 0) return a;

        int sum = a ^ b;

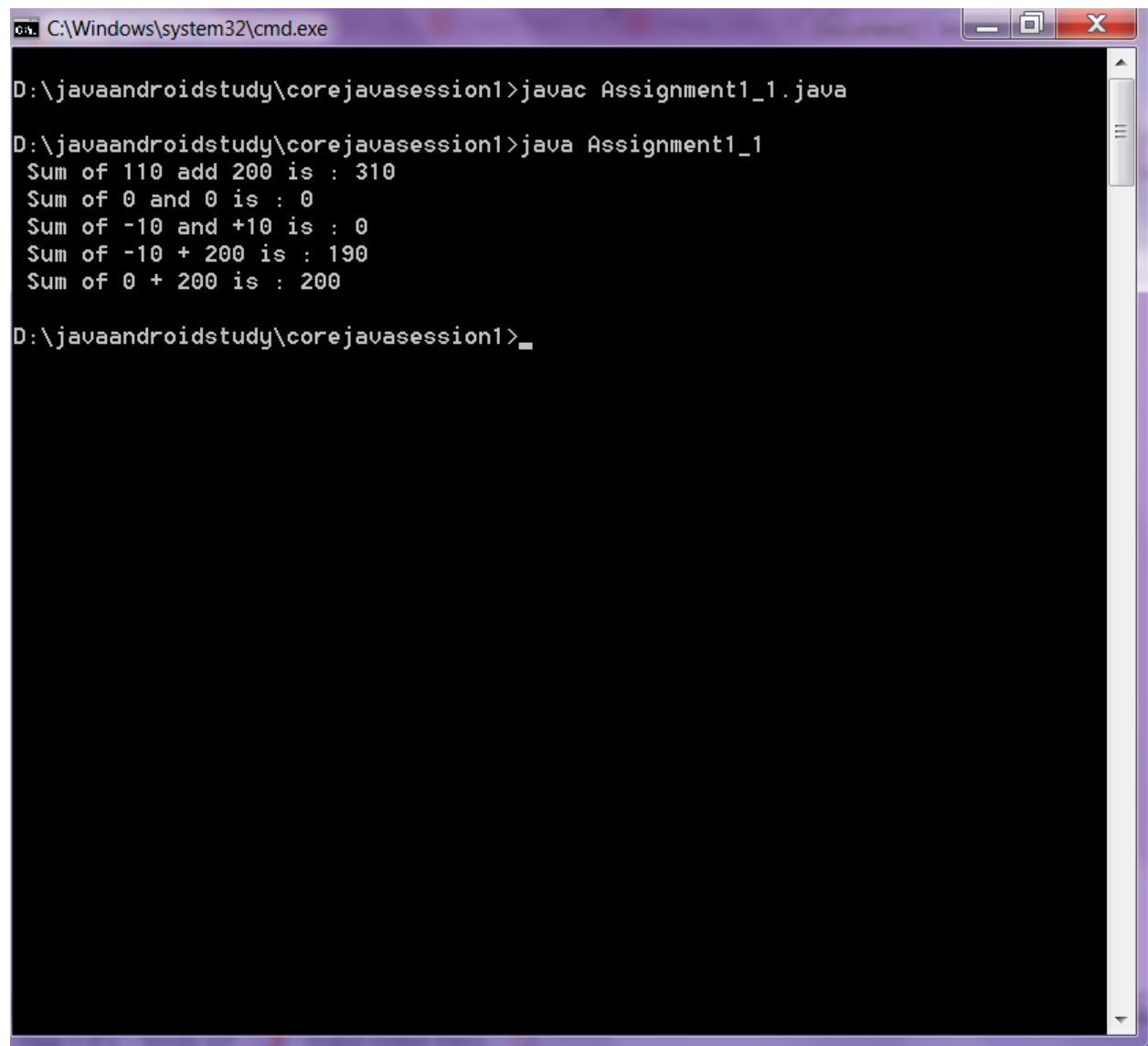
        int carry = (a & b) << 1;

        return add(sum, carry);

    }

}
```

Output:-



```
C:\Windows\system32\cmd.exe

D:\javaandroidstudy\corejavasession1>javac Assignment1_1.java

D:\javaandroidstudy\corejavasession1>java Assignment1_1
Sum of 110 add 200 is : 310
Sum of 0 and 0 is : 0
Sum of -10 and +10 is : 0
Sum of -10 + 200 is : 190
Sum of 0 + 200 is : 200

D:\javaandroidstudy\corejavasession1>_
```

The image shows a Windows command prompt window with a purple title bar. The title bar text is "C:\Windows\system32\cmd.exe". The window contains the following text: "D:\javaandroidstudy\corejavasession1>javac Assignment1\_1.java", "D:\javaandroidstudy\corejavasession1>java Assignment1\_1", "Sum of 110 add 200 is : 310", "Sum of 0 and 0 is : 0", "Sum of -10 and +10 is : 0", "Sum of -10 + 200 is : 190", "Sum of 0 + 200 is : 200", and "D:\javaandroidstudy\corejavasession1>\_". The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

