

What is the output of the following code?

```
public class Solution {  
    public static void main(String arg[]) {  
        int a = 6;  
        int b = 7;  
  
        System.out.println("a | b = " + (a | b));  
    }  
}
```

Options:

- ☒ a | b = 7 ✓
- ☐ a | b = 6
- ☐ a | b = 0
- ☐ a | b = 9

✓ Correct Answer

What is the output of the following code?

```
public class Solution {  
    public static void main(String args[]) {  
        int a = 6;  
  
        System.out.println(" ~a = " + ~a);  
    }  
}
```

Options:

- ☐ 9
- ☐ 6
- ☒ -7 ✓
- ☐ -8

✓ Correct Answer

What is the output of the following code?

```
public class Solution {  
    public static void main(String arg[]) {  
        int a = 8;  
        System.out.println("a >> 2 = " + (a >> 2));  
    }  
}
```

Options:

- ☐ a >> 2 = 8
- ☐ a >> 2 = 5
- ☒ a >> 2 = 2 ✓
- ☐ a >> 2 = 7

✓ Correct Answer

Which of the following operators is return 1 if the corresponding bits are different?

Options:

- ☐ Bitwise complement operator
- ☐ Unsigned right shift operator
- ☐ Signed right shift operator
- ☒ Bitwise Exclusive Or operator ✓

✓ Correct Answer