

# 22 Lecture - CS201

## Important Mcqs

1. What is the result of the following bitwise AND operation?

yaml

Copy code

1010 & 1101

- a) 0000
- b) 1000
- c) 1010
- d) 1101

Answer: b) 1000

2. What is the result of the following bitwise OR operation?

yaml

Copy code

1010 | 1101

- a) 0000
- b) 1000
- c) 1011
- d) 1111

Answer: c) 1011

3. What is the result of the following bitwise XOR operation?

yaml

Copy code

1010 ^ 1101

- a) 0000
- b) 0111
- c) 1011
- d) 1111

Answer: c) 1011

4. **What is the result of the following left shift operation?**

```
bash
```

```
Copy code
```

```
2
```

- a) 0010
- b) 0100
- c) 1000
- d) 101000

**Answer: d) 101000**

5. **What is the result of the following right shift operation?**

```
yaml
```

```
Copy code
```

```
1010 >> 2
```

- a) 0010
- b) 0100
- c) 1000
- d) 0000

**Answer: a) 0010**

6. **What is the result of the following unsigned right shift operation?**

```
diff
```

```
Copy code
```

- a) 0010
- b) 0100
- c) 1000
- d) 1111111111111111111111111111111110101

**Answer: d) 1111111111111111111111111111111110101**

7. **What is the result of the following bitwise NOT operation?**

```
Copy code
```

- a) 0101
- b) 0101
- c) 1101
- d) 01011

Answer: c) 0101

8. What is the result of the following bitwise AND assignment operation?

CSS

Copy code

1010      1101

- a) a = 0000
- b) a = 1000
- c) a = 1010
- d) a = 1101

Answer: b) a = 1000

9. What is the result of the following bitwise XOR assignment operation?

CSS

Copy code

1010      1101

- a) a = 0000
- b) a = 0111
- c) a = 1011
- d) a = 1111

Answer: c) a = 1011

10. What is the result of the following left shift assignment operation?

CSS

Copy code

1010      2

- a) a = 0010
- b) a = 0100
- c) a = 1000
- d) a = 101000

Answer: d) a = 101000