# 3 Lecture - CS401

## **Important Mcqs**

1.	Which operator is used to check for equality in programming languages?  a) = b) == c) === d) != Answer: b) ==
	Which of the following is a relational operator?  a)! b)    c) && d) >  Answer: d) >
	What is the result of the following comparison in Python: 5 > 3?  a) True b) False c) Syntax Error d) None of the above Answer: a) True
	Which of the following is not a logical operator?  a)! b)    c) <= d) && Answer: c) <=
	What is the output of the following code: arduino Copy code int a = 5; if (a < 10) {    printf("a is less than 10"); } a) a is less than 10 b) a is greater than 10 c) a is equal to 10 d) Compilation Error

CSS

Answer: a) a is less than 10

What is the output of the following code:

```
Copy code
int a = 10;
if (a > 5 && a < 15) {
   printf("a is between 5 and 15");
}
a) a is between 5 and 15
b) a is less than 5
c) a is greater than 15
d) Compilation Error
```

#### Answer: a) a is between 5 and 15

Which of the following control structures is used to execute code based on multiple conditions?

```
a) if-else
```

- b) switch-case
- c) while
- d) for

Answer: b) switch-case

```
Which of the following is the correct syntax for an if-else statement in C?
```

```
a) if (condition) {
// code block
} else {
// code block
b) if (condition)
// code block
else
// code block
c) if (condition)
// code block
else {
// code block
d) if (condition) {
// code block
} else
// code block
Answer: a) if (condition) {
// code block
} else {
// code block
```

#### What is the output of the following code:

```
css
Copy code
int a = 5;
int b = 3;
if (a > b) {
```

```
printf("a is greater than b");
} else {
  printf("a is less than or equal to b");
}
a) a is greater than b
b) a is less than or equal to b
c) a is equal to b
d) Compilation Error
```

### Answer: a) a is greater than b

Which of the following operators is used to check for inequality?

- a)!
- b) ==
- c) !=
- d) <>

Answer: c) !=