

Online Quiz 1

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IIITB

IIIT-B

Quiz 1

What is wrong with the following code? What kind of error (lexical/syntax/semantic) is it?

```
if(x == 0) {  
    return true;  
}  
return false;  
else {  
    return false;  
}
```

Quiz 1

What is wrong with the following code? What kind of error (lexical/syntax/semantic) is it?

```
/* This is a comment which has not been closed  
int x = 10;
```

Quiz 1

What is wrong with the following code? What kind of error (lexical/syntax/semantic) is it?

```
int f(int x) { return; }
```

Quiz 1

What is wrong with the following code? What kind of error (lexical/syntax/semantic) is it?

```
int f(int x) {  
    if(x == 1) {  
        String x = "IIITB";  
        return x + 1;  
    }  
    return x;  
}
```

Quiz 1

What is wrong with the following code? What kind of error (syntax/semantic) is it?

```
int f(int x) { return; }
```

Quiz 1

Can you spot a scope of improving the following code for efficiency? If yes, please provide the transformed code.

```
y = x * 2;  
y *= 8;
```

Quiz 1

Can you spot a scope of improving the following code for efficiency? If yes, please provide the transformed code.

```
int x = 10;
if(C) {
    x = x * 2;
}
else {
    x = x + 10;
}
int y = x + 100;
```