Syntax error

```
    //determining which names go within which test
    char letter = (lastname.toLowerCase().charAt(0));
    if
    letter >= 'a' && letter <= 'i'
    {
        System.out.print(firstname + " " + lastname + " You are in group 1 ");
    }
    else if
    letter >= 'j' && letter <= 's'
    {
        System.out.println(firstname + " " + lastname + "You are in group 2 ");
    }
    else
    {
        System.out.println(firstname + " " + lastname + "You are in group 3 ");
    }
}
/*
```

Each conditional statement must have a argument, In my first attempt I had the mistake of not including a argument right next to the conditional statement, Instead it in the next row which made the system not clearly understand what it was. I fixed this by implementing the argument on the same line as my conditional statement.

```
    lastname = input.next();

    //determining which names go within which test
    char letter = (lastname.toLowerCase().charAt(0));
    if(letter >= 'a' && letter <= 'i')
    {
        System.out.print(firstname + " " + lastname + " You are in group 1 ");
    }
    else if(letter >= 'j' && letter <= 's')
    {
        System.out.println(firstname + " " + lastname + "You are in group 2 ");
    }
    else
    {
        System.out.println(firstname + " " + lastname + "You are in group 3 ");
    }
}
```

Logic error

```
    lastname = input.next();

    //determining which names go within which test
    char letter = (lastname.toLowerCase().charAt(0));
    if(letter > 'a' && letter < 'i')
    {
        System.out.print(firstname + " " + lastname + " You are in group 1 ");
    }
```

I had a logic error in this by including every letter after ‘a’ and every letter before ‘i’ instead of also including the letters ‘a’ and ‘i’ in the argument.

```
    //determining which names go within which test
    char letter = (lastname.toLowerCase().charAt(0));
    if(letter >= 'a' && letter <= 'i')
    {
            System.out.print(firstname + " " + lastname + " You are in group 1 ");
    }
```