# Java week three

**public** **static** <T> **boolean** equals(T object1,T object2)

{

**if** (object1==**null**)

{

**return** object2==**null**;

}

**else**

{

**return** object1.equals(object2);

}

}

**public** **static** <T> **void** Swap(T[] array,**int** i, **int** j)

{

//Sets two variables to equal the positions I wants to swap

T firstObject = array[i];

T secondObject = array[j];

//Set both positions to equal the stored variables

array[i] = secondObject;

array[j] = firstObject;

}

**public** **static** **void** main(String[] args)

{

//Makes the array which has objects that need swapping

Object[] names = {1,"Andrew",2,"Diane",3,"Simon"};

//Runs the swap method

*Swap*(names, 1, 4);

//Prints to the debug log for testing purposes

System.***out***.println(Arrays.*toString*(names));

}

Results:

[1, 3, 2, Diane, Andrew, Simon]