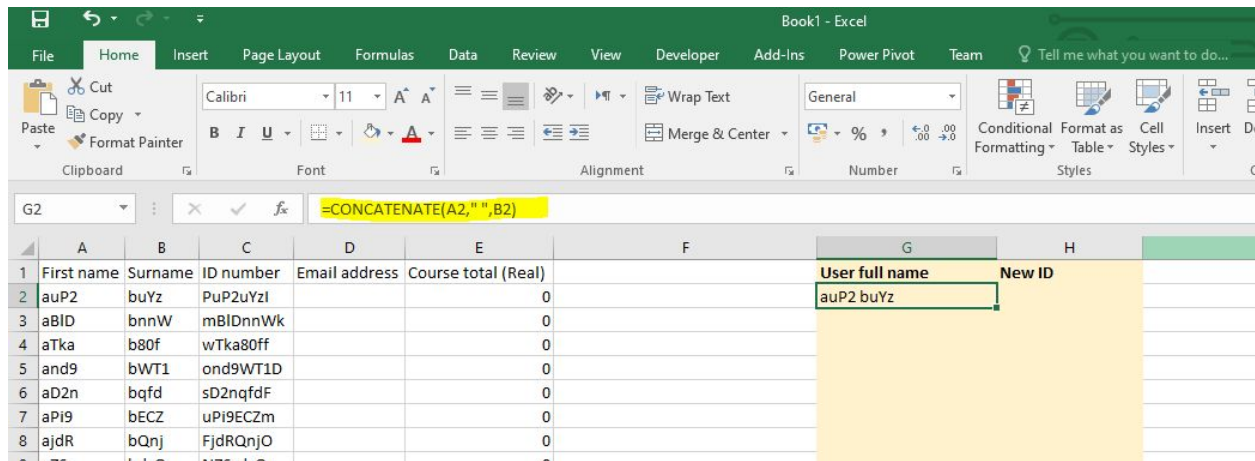


A Step-by-Step to anonymise the log and grade files in Excel.

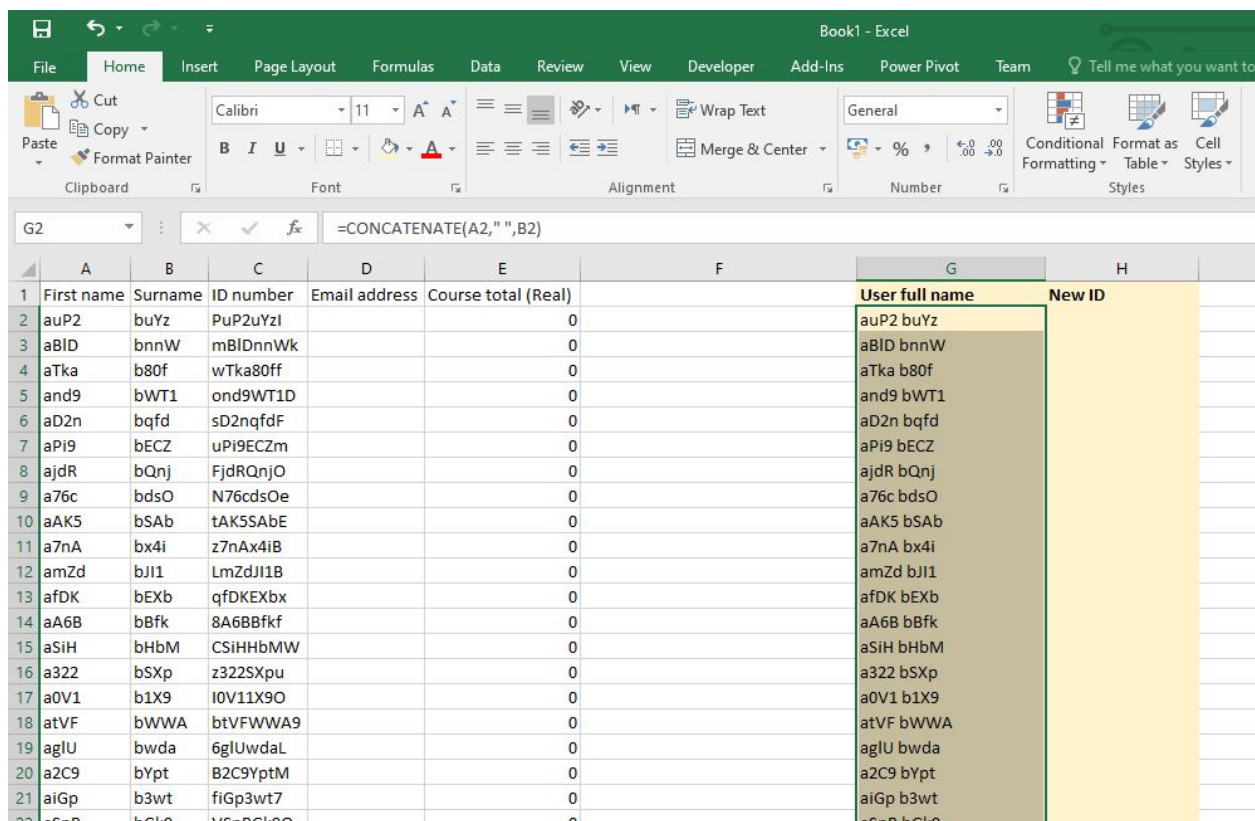
1) Create a new column in the grades sheet called "User full name". This column will be a concatenation for the first name and surname in the sheet to be similar to the log file.



The screenshot shows the Excel interface with the formula bar displaying `=CONCATENATE(A2," ",B2)`. The worksheet has columns A through H. Column A is 'First name', B is 'Surname', C is 'ID number', D is 'Email address', E is 'Course total (Real)', F is empty, G is 'User full name', and H is 'New ID'. The first row of data (row 2) shows 'auP2' in A, 'buYz' in B, 'PuP2uYzI' in C, and '0' in E. The 'User full name' column (G) contains the concatenated value 'auP2 buYz'.

	A	B	C	D	E	F	G	H
1	First name	Surname	ID number	Email address	Course total (Real)		User full name	New ID
2	auP2	buYz	PuP2uYzI		0		auP2 buYz	
3	aBID	bnnW	mBIDnnWk		0			
4	aTka	b80f	wTka80ff		0			
5	and9	bWT1	ond9WT1D		0			
6	aD2n	bqfd	sD2nqfdF		0			
7	aPi9	bECZ	uPi9ECZm		0			
8	ajdR	bQnj	FjdRQnjO		0			

Then use autofill to extend the same for each cell in the column.



The screenshot shows the Excel interface with the formula bar displaying `=CONCATENATE(A2," ",B2)`. The worksheet has columns A through H. Column A is 'First name', B is 'Surname', C is 'ID number', D is 'Email address', E is 'Course total (Real)', F is empty, G is 'User full name', and H is 'New ID'. The first row of data (row 2) shows 'auP2' in A, 'buYz' in B, 'PuP2uYzI' in C, and '0' in E. The 'User full name' column (G) contains the concatenated value 'auP2 buYz'. The autofill operation has been applied, extending the formula down to row 21, where the value is 'aiGp b3wt'.

	A	B	C	D	E	F	G	H
1	First name	Surname	ID number	Email address	Course total (Real)		User full name	New ID
2	auP2	buYz	PuP2uYzI		0		auP2 buYz	
3	aBID	bnnW	mBIDnnWk		0		aBID bnnW	
4	aTka	b80f	wTka80ff		0		aTka b80f	
5	and9	bWT1	ond9WT1D		0		and9 bWT1	
6	aD2n	bqfd	sD2nqfdF		0		aD2n bqfd	
7	aPi9	bECZ	uPi9ECZm		0		aPi9 bECZ	
8	ajdR	bQnj	FjdRQnjO		0		ajdR bQnj	
9	a76c	bdsO	N76cdsOe		0		a76c bdsO	
10	aAK5	bSAb	tAK5SAbE		0		aAK5 bSAb	
11	a7nA	bx4i	z7nAx4iB		0		a7nA bx4i	
12	amZd	bJI1	LmZdJI1B		0		amZd bJI1	
13	afDK	bEXb	qfDKEXbx		0		afDK bEXb	
14	aA6B	bBfk	8A6BBfkf		0		aA6B bBfk	
15	aSiH	bHbM	CSiHHbMW		0		aSiH bHbM	
16	a322	bSXp	z322SXpu		0		a322 bSXp	
17	a0V1	b1X9	i0V11X9O		0		a0V1 b1X9	
18	atVF	bWWA	btVFWWA9		0		atVF bWWA	
19	agIU	bwda	6gIUwdaL		0		agIU bwda	
20	a2C9	bYpt	B2C9YptM		0		a2C9 bYpt	
21	aiGp	b3wt	fiGp3wt7		0		aiGp b3wt	

2) Generate a new identifier/number for each student in the grade book. This can be done by choosing "Fill Series" from the auto-fill options after typing 1 in the first cell.

Book1 - Excel

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Clipboard Font Alignment Number Styles Cells

H2 1

	A	B	C	D	E	F	G	H
1	First name	Surname	ID number	Email address	Course total (Real)		User full name	New ID
2	auP2	buYz	PuP2uYzI		0		auP2 buYz	1
3	aBID	bnnW	mBIDnnWk		0		aBID bnnW	
4	aTka	b80f	wTka80ff		0		aTka b80f	
5	and9	bWT1	ond9WT1D		0		and9 bWT1	
6	aD2n	bqfd	sD2nqfdF		0		aD2n bqfd	
7	aPi9	bECZ	uPi9ECZm		0		aPi9 bECZ	
8	ajdR	bQnj	FjdRQnjO		0		ajdR bQnj	
9	a76c	bdsO	N76cdsOe		0		a76c bdsO	
10	aAK5	bSAb	tAK5SAbE		0		aAK5 bSAb	
11	a7nA	bx4i	z7nAx4iB		0		a7nA bx4i	
12	amZd	bJl1	LmZdJl1B		0		amZd bJl1	
13	afDK	bEXb	qfDKEXbx		0		afDK bEXb	
14	aA6B	bBfk	8A6BBfkf		0		aA6B bBfk	
15	aSiH	bHbM	CSiHHbMW		0		aSiH bHbM	
16	a322	bSXp	z322SXpu		0		a322 bSXp	
17	aOV1	b1X9	I0V11X9O		0		aOV1 b1X9	

Book1 - Excel

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Clipboard Font Alignment Number Styles Cells

H2 1

	A	B	C	D	E	F	G	H	I
1	First name	Surname	ID number	Email address	Course total (Real)		User full name	New ID	
2	auP2	buYz	PuP2uYzI		0		auP2 buYz	1	
3	aBID	bnnW	mBIDnnWk		0		aBID bnnW	2	
4	aTka	b80f	wTka80ff		0		aTka b80f	3	
5	and9	bWT1	ond9WT1D		0		and9 bWT1	4	
6	aD2n	bqfd	sD2nqfdF		0		aD2n bqfd	5	
7	aPi9	bECZ	uPi9ECZm		0		aPi9 bECZ	6	
8	ajdR	bQnj	FjdRQnjO		0		ajdR bQnj	7	
9	a76c	bdsO	N76cdsOe		0		a76c bdsO	8	
10	aAK5	bSAb	tAK5SAbE		0		aAK5 bSAb	9	
11	a7nA	bx4i	z7nAx4iB		0		a7nA bx4i	10	
12	amZd	bJl1	LmZdJl1B		0		amZd bJl1	11	
13	afDK	bEXb	qfDKEXbx		0		afDK bEXb		
14	aA6B	bBfk	8A6BBfkf		0		aA6B bBfk		
15	aSiH	bHbM	CSiHHbMW		0		aSiH bHbM		
16	a322	bSXp	z322SXpu		0		a322 bSXp		
17	aOV1	b1X9	I0V11X9O		0		aOV1 b1X9		
18	atVF	bWWA	btVFWWA9		0		atVF bWWA		
19	agIU	bwda	6glUwdaL		0		agIU bwda		

Copy Cells
Fill Series
Fill Formatting Only
Fill Without Formatting
Flash Fill

3) Vlookup-like (using Index and Match) the new ID from the grades sheet into the Log sheet.

Go to the log file.

Use new column.

	A	B	C	D	E	F	G	H	I	J	K
1	Time	User full name	Affected user	Event context	Component	Event name	Description	Origin	IP address	New ID	
2	1/04/19, 11:45	a0V1 b1X9	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	=INDEX(
3	1/04/19, 11:41	a0V1 b1X9	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1	INDEX(array, row_num, [column_num])	
4	1/04/19, 11:40	a0V1 b1X9	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	INDEX(reference, row_num, [column_num], [a	
5	1/04/19, 11:36	acj7 b2dI	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1		
6	1/04/19, 11:36	acj7 b2dI	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1		
7	28/03/19, 18:41	akpv blk6	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1		
8	28/03/19, 09:40	a2mi bDko	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 ws		127.0.0.1		
9	25/03/19, 17:15	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1		
10	25/03/19, 17:15	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1		
11	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1		
12	25/03/19, 17:01	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1		
13	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Rep Assignment		The status of the s	The user with id '0 web		127.0.0.1		
14	25/03/19, 17:01	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1		
15	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1		

Use Index and Match function. Vlookup will not work.

	A	B	C	D	E	F	G	H	I	J	K
1	Time	User full name	Affected user	Event context	Component	Event name	Description	Origin	IP address	New ID	
2	1/04/19, 11:45	a0V1 b1X9	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	1	
3	1/04/19, 11:41	a0V1 b1X9	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1	1	
4	1/04/19, 11:40	a0V1 b1X9	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	1	
5	1/04/19, 11:36	acj7 b2dI	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1	4	
6	1/04/19, 11:36	acj7 b2dI	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	4	
7	28/03/19, 18:41	akpv blk6	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	6	
8	28/03/19, 09:40	a2mi bDko	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 ws		127.0.0.1	7	
9	25/03/19, 17:15	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1	8	
10	25/03/19, 17:15	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web		127.0.0.1	8	
11	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web		127.0.0.1	8	

It will be something like this:

=INDEX(Grades!\$H\$2:\$H\$66,MATCH(Log!B2,Log!\$B\$2:\$B\$218,0))

Please make sure to have the dollar sign in each cell reference as above.

4) Before delete the actual student name columns. **Copy** the new ID column and **paste by values** on the same column.

Exmpl.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins Power Pivot Team Tell me what you want to do... mohammad ibrahim

Clipboard Font Alignment Number Styles Editing

Calibri 11 A A %

B I U Bold Italic Underline

Wrap Text Merge & Center

Conditional Formatting Format as Table Cell Styles

AutoSum Fill Clear Sort & Find & Filter Select

New ID

	A	B	C	D	E	F	G	H	I	J	K
	Time	User full name	Affected user	Event context	Component	Event name	Description	Origin			
1	1/04/19, 11:45	a0V1 b1X9	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
2	1/04/19, 11:41	a0V1 b1X9	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web				
3	1/04/19, 11:40	a0V1 b1X9	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
4	1/04/19, 11:36	acj7 b2dI	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web				
5	1/04/19, 11:36	acj7 b2dI	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
6	28/03/19, 18:41	aKpv bLk6	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
7	28/03/19, 09:40	a2mi bDko	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 ws				
8	25/03/19, 17:15	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web				
9	25/03/19, 17:15	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
10	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web				
11	25/03/19, 17:01	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
12	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Rep Assignment		The status of the s	The user with id '0 web				
13	25/03/19, 17:01	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
14	25/03/19, 17:01	a3bN bvzH	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web				
15	25/03/19, 17:00	a3bN bvzH	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
16	25/03/19, 10:37	aOmN bXsd	-	Assignment: Assignment 1 Sub Assignment		The status of the s	The user with id '0 web				
17	25/03/19, 10:37	aOmN bXsd	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
18	25/03/19, 10:37	aOmN bXsd	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
19	22/03/19, 12:21	aA6B b8fk	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 web				
20	21/03/19, 18:42	aiGp b3wt	-	Course: DMED H1013 - Web De	System	Course viewed	The user with id '0 ws				
21	21/03/19, 12:48	a2mi bDko	-	File: StudentWebDevResults2C	File	Course module vie	The user with id '0 web				

127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1 127.0.0.1

4) Delete the "User full name" column and "IP address" in the log sheet. Delete the "First name", "Surname" and "User full name" in the log file.

That is all.