Find the best song for this phrase!

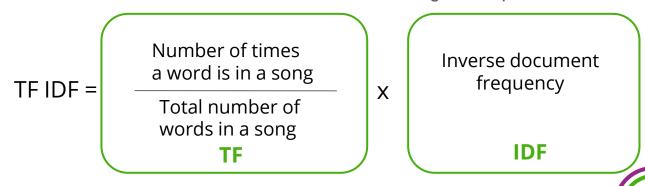
Say you believe in love

Q

Step 1) Find the IDF for each word in the phrase

Word	SAY	YOU	BELIEVE	IN	LOVE	
IDF						

Step 2) Calculate the TF-IDF for each of the songs Find the word count and total word count for each song on the posters!



Step 3) Calculate the total TF-IDF for each song using the tables below! The highest score is the best match!

Song 1: Dance the night

Total word count: _____

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
SAY				
YOU				
BELIEVE				
IN				
LOVE				
	(2)	(1)	Total TF-IDF (Sum of TF-IDF)	

Son	a :	2:	Flo	ow	ers

Tota	word	count:	

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
SAY				
YOU				
BELIEVE				
IN				
LOVE				
		,	Total TF-IDF (Sum of TF-IDF)	

Song 3: Let it go

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
SAY				
YOU				
BELIEVE				
IN				
LOVE				
			Total TF-IDF (Sum of TF-IDF)	

Song 4: September

Total word count:

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
SAY				
YOU				
BELIEVE				
IN				
LOVE				
			Total TF-IDF	

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
SAY				
YOU				
BELIEVE				
IN				
LOVE				
			Total TF-IDF (Sum of TF-IDF)	

Song 6: We don't talk about Bruno

Tatal		1
ıota	word	count:

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
SAY				
YOU				
BELIEVE				
IN				
LOVE				
			Total TF-IDF (Sum of TF-IDF)	

	Total TF- IDF
Dance the night	
Flowers	
Let it go	
September	
Shake it off	
We don't talk about Bruno	

Best suggestion!

Largest TF-IDF Score
Best Song Title