Find the best song for this phrase!

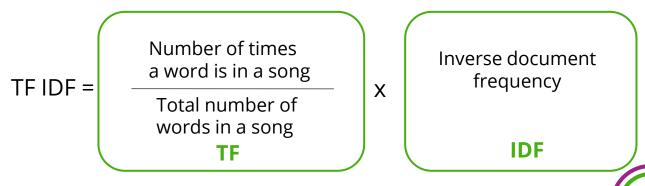
We are here for you

Q

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

Word	WE	ARE	HERE	FOR	YOU	
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!

Word Count

TF

Word Count

TF

We

ARE

HERE

FOR

YOU

Total TF-IDF

(Sum of TF-IDF)

Total word count:

Total word count:

Total word count:

IDF

(from step 1)

(TF x IDF)

Total TF-IDF

(Sum of TF-IDF)

Son	a :	2:	Flo	ow	ers

al word coun

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
WE				
ARE				
HERE				
FOR				
YOU				
			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)
WE				
ARE				
HERE				
FOR				
YOU				
			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)
WE				
ARE				
HERE				
FOR				
YOU				
			Total TF-IDF (Sum of TF-IDF)	

Song 5: Shake it off	Son	ig !	5: S	hak	ke i	t off
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Total word count: _____

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
WE				
ARE				
HERE				
FOR				
YOU				
			Total TF-IDF (Sum of TF-IDF)	

Song 6: We don't talk about Bruno

_ , ,		
Total	Word	count:
ı Otai		Count.

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
WE				
ARE				
HERE				
FOR				
YOU				
			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