Find the best song for this phrase!

You can go for gold

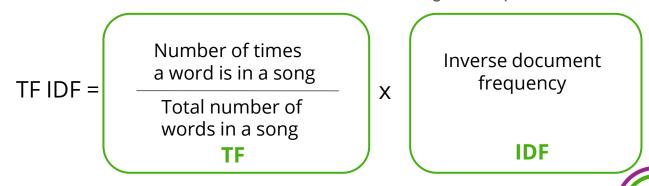
Song 1: Dance the night

Q

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

Word	YOU	CAN	GO	FOR	GOLD	
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!

Total word count: _____

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
YOU				
CAN				
GO				
FOR				
GOLD				
		1	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)
YOU				
CAN				
GO				
FOR				
GOLD				
			Total TF-IDF (Sum of TF-IDF)	

Song 3: Let it go

Lots	ıl wor	α	ıınt.
IULO		u co	uiit.

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
YOU				
CAN				
GO				
FOR				
GOLD				
			Total TF-IDF (Sum of TF-IDF)	

Song 4: September

(Sum of TF-IDF) Total word count:

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
YOU				
CAN				
GO				
FOR				
GOLD				
			Total TF-IDF (Sum of TF-IDF)	

Song	5 :	Shake	e it 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)
YOU				
CAN				
GO				
FOR				
GOLD				
			Total TF-IDF (Sum of TF-IDF)	

Song 6: We don't talk about Bruno Total word count: _____

	Word Count	TF Word Count Total word count for song	IDF (from step 1)	TF-IDF (TF x IDF)
YOU				
CAN				
GO				
FOR				
GOLD				
			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!