

SWISH -- SWI-Prolog

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```

1 %Student name: khalid nimri
2 %Student id: [REDACTED]
3 suggest(S):- write('What is your personality type?: '),
4     read(P),
5     write('How is your mood?: '),
6     read(M),
7     song(S,_,M,P).
8 %Happy_Mood
9 song('https://www.youtube.com/watch?v=c8YI1U_30KK',jazz,M,P):-
10    M = happy ,(P= (entj) ; P=(enfj) ; P=(enfp)),!.
11 song('https://www.youtube.com/watch?v=SsZRci3sA4I',classical,M,P):-
12    M = happy ,(P= (entj) ; P=(intj) ; P=(entp) ; P=(infj)),!.
13 song('https://www.youtube.com/watch?v=XYk2kt8K6E0',electronica,M,P):-
14    M = happy ,(P= (entj) ; P=(estp) ; P=(enfp)),!.
15 song('https://www.youtube.com/watch?v=VguED7BfpgU',metal,M,P):-
16    M = happy ,(P= (intj) ; P=(istp) ; P=(intp) ; P=(estp)),!.
17 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',alternative_rock,M,P):-
18    M = happy ,(P= (intj) ; P=(entp) ; P=(infj) ; P=(infp) ; P=(istj) ; P=(isfj) ; P=(istp)),!.
19 song('https://www.youtube.com/watch?v=lPIiB02uqXM',rock,M,P):-
20    M = happy ,(P= (entp) ; P=(intp) ; P=(infp) ; P=(istj) ; P=(isfj)),!.
21 song('https://www.youtube.com/watch?v=PIfJ7nYQFTM',punk,M,P):-
22    M = happy ,(P= (intp) ; P=(infp) ; P=(istp)),!.
23 song('https://www.youtube.com/watch?v=eWyeAIlAUY',world,M,P):-
24    M = happy ,(P= (infj) ; P=(enfj)),!.
25 song('https://www.youtube.com/watch?v=qAqKsw4GjB0',blues,M,P):-
26    M = happy ,(P= (enfj)),!.
27 song('https://www.youtube.com/watch?v=w47D1Fqn_sA',ambient,M,P):-
28    M = happy ,(P= (enfp) ; P=(isfp) ; P=(esfp)),!.
29 song('https://www.youtube.com/watch?v=HA06Rr3bRVC',pop_songs,M,P):-
30    M = happy ,(P= (istj) ; P=(estj) ; P=(isfp) ; P=(esfp)),!.
```

suggest(S).

What is your personality type?: intp

How is your mood?: sad

'https://www.youtube.com/watch?v=SWkKvDD-Gu4'

suggest(S).

What is your personality type?: isfj

How is your mood?: happy

'https://www.youtube.com/watch?v=5f-wQBh-zbQ'

suggest(S).

What is your personality type?: entj

How is your mood?: sad

?- suggest(s).

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20    M = happy , (P= (entp) ; P=(intp) ; P=(infp) ; P=(istj) ; P=(isfj)),! .
21 song('https://www.youtube.com/watch?v=PIfJ7nYQFTM',punk,M,P):- 
22    M = happy , (P= (intp) ; P=(infp) ; P=(istp)),! .
23 song('https://www.youtube.com/watch?v=eWyeAIlalaYUY',world,M,P):- 
24    M = happy , (P= (infj) ; P=(enfj)),! .
25 song('https://www.youtube.com/watch?v=qAqKsw4GjB0',blues,M,P):- 
26    M = happy , (P= (enfj)),! .
27 song('https://www.youtube.com/watch?v=w47D1Fqn_sA',ambient,M,P):- 
28    M = happy , (P= (enfp) ; P=(isfp) ; P=(esfp)),! .
29 song('https://www.youtube.com/watch?v=HA06Rr3bRVC',pop_songs,! /0 ISO Cut.
30    M = happy , (P= (istj) ; P=(estj) ; P=(isfp) ; P=(esfp)),! .
31 song('https://www.youtube.com/watch?v=qCZAynQU_-8',religious,M,P):- 
32    M = happy , (P= (isfj) ; P=(estj)),! .
33 song('https://www.youtube.com/watch?v=hvVPMIqRule',hip_hop,M,P):- 
34    M = happy , (P= (estj) ; P=(estp) ; P=(esfp)),! .
35 song('https://www.youtube.com/watch?v=X7ses5rI5U4',soul,M,P):- 
36    M = happy , (P=(esfj)),! .
37 song('https://www.youtube.com/watch?v=NKzyyxvNiFc',country,M,P):- 
38    M = happy , (P= (esfj)),! .
39 song('https://www.youtube.com/watch?v=oWQpQW95Ru8',reggae,M,P):- 
40    M = happy , (P= (isfp)),! .

41 %Sad_Mood
42 song('https://www.youtube.com/watch?v=McxPJ3RYY4Y',jazz,M,P):- 
43    M = sad , (P= (entj) ; P=(enfj) ; P=(enfp)),! .
44 song('https://www.youtube.com/watch?v=R6OE1QVV1Lo',classical,M,P):- 
45    M = sad , (P= (entj) ; P=(intj) ; P=(entp) ; P=(infj)),! .
46 song('https://www.youtube.com/watch?v=ilTbMVG5t6M',electronica,M,P):- 
47    M = sad , (P= (entj) ; P=(estp) ; P=(enfp)),! .
48 song('https://www.youtube.com/watch?v=SWkKvDD-Gu4',metal,M,P):- 
49

```

suggest(S).

What is your personality type?: intp

How is your mood?: sad

'https://www.youtube.com/watch?v=SWkKvDD-Gu4'

suggest(S).

What is your personality type?: isfj

How is your mood?: happy

'https://www.youtube.com/watch?v=5f-wQBh-zbQ'

suggest(S).

What is your personality type?: entj

How is your mood?: sad

suggest(s).

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41
42 %Sad_Mood
43 song('https://www.youtube.com/watch?v=McxPJ3RYY4Y', jazz, M, P) :-
44     M = sad, (P = (entj) ; P = (enfj) ; P = (enfp)), !.
45 song('https://www.youtube.com/watch?v=R6OE1QVV1Lo', classical, M, P) :-
46     M = sad, (P = (entj) ; P = (intj) ; P = (entp) ; P = (infj)), !.
47 song('https://www.youtube.com/watch?v=ilTbMVG5t6M', electronica, M, P) :-
48     M = sad, (P = (entj) ; P = (estp) ; P = (enfp)), !.
49 song('https://www.youtube.com/watch?v=SWkKvDD-Gu4', metal, M, P) :-
50     M = sad, (P = (intj) ; P = (istp) ; P = (intp) ; P = (estp)), !.
51 song('https://www.youtube.com/watch?v=-fvBrKeobyA', alternative, M, P) :- !/2 ISO Unify Term1 with Term2.
52     M = sad, (P = (intj) ; P = (entp) ; P = (infj) ; P = (infp) ; P = (istj) ; P = (isfj) ; P = (istp)), !.
53 song('https://www.youtube.com/watch?v=qGxO2YNFj1o', rock, M, P) :-
54     M = sad, (P = (entp) ; P = (intp) ; P = (infp) ; P = (istj) ; P = (isfj)), !.
55 song('https://www.youtube.com/watch?v=2MRdtXWcgIw', punk, M, P) :-
56     M = sad, (P = (intp) ; P = (infp) ; P = (istp)), !.
57 song('https://www.youtube.com/watch?v=F90ymks2dt4', world, M, P) :-
58     M = sad, (P = (infj) ; P = (enfj)), !.
59 song('https://www.youtube.com/watch?v=6R9nWRWgl90', blues, M, P) :-
60     M = sad, (P = (enfj)), !.
61 song('https://www.youtube.com/watch?v=sbX_aElB2dI', ambient, M, P) :-
62     M = sad, (P = (enfp) ; P = (isfp) ; P = (esfp)), !.
63 song('https://www.youtube.com/watch?v=T8-96tqFCFU&vl=en', pop_songs, M, P) :-
64     M = sad, (P = (istj) ; P = (estj) ; P = (isfp) ; P = (esfp)), !.
65 song('https://www.youtube.com/watch?v=K_-e99oLp4Y', religious, M, P) :-
66     M = sad, (P = (isfj) ; P = (estj)), !.
67 song('https://www.youtube.com/watch?v=0pZmHnj3-jQ', hip_hop, M, P) :-
68     M = sad, (P = (estj) ; P = (estp) ; P = (esfp)), !.
69 song('https://www.youtube.com/watch?v=KVIwQFEyZQE', soul, M, P) :-
70     M = sad, (P = (esfj)), !.
71 song('https://www.youtube.com/watch?v=vaxxmpkHgaC8', country, M, P) :-
```

suggest(S).

What is your personality type?: intp

How is your mood?: sad

S

'https://www.youtube.com/watch?v=SWkKvDD-Gu4'

suggest(S).

What is your personality type?: isfj

How is your mood?: happy

S

'https://www.youtube.com/watch?v=5f-wQBh-zbQ'

suggest(S).

What is your personality type?: entj

How is your mood?: sad

S

?- suggest(s).

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46 M = sad , (P= (entj) ; P=(intj) ; P=(entp) ; P=(infj)),!.
47 song('https://www.youtube.com/watch?v=ilTbMVG5t6M',electonica,M,P):- M = sad , (P= (entj) ; P=(estp) ; P=(enfp)),!.
48 song('https://www.youtube.com/watch?v=SWkKvDD-Gu4',metal,M,P):- M = sad , (P= (intj) ; P=(istp) ; P=(intp) ; P=(estp)),!.
49 song('https://www.youtube.com/watch?v=-fvBrKeobyA',alternative_rock,M,P):- M = sad , (P= (intj) ; P=(entp) ; P=(infj) ; P=(infp) ; P=(istj) ; P=(isfj) ; P=(istp)),!.
50 song('https://www.youtube.com/watch?v=qGxO2YNFj1o',rock,M,P):- M = sad , (P= (entp) ; P=(intp) ; P=(infp) ; P=(istj) ; P=(isfj)),!.
51 song('https://www.youtube.com/watch?v=2MRdtXWcgIw',punk,M,P):- M = sad , (P= (intp) ; P=(infp) ; P=(istp)),!.
52 song('https://www.youtube.com/watch?v=F90ymkS2dt4',world,M,P):- M = sad , (P= (infj) ; P=(enfj)),!.
53 song('https://www.youtube.com/watch?v=6R9nWRWgl90',blues,M,P):- M = sad , (P= (enfj)),!.
54 song('https://www.youtube.com/watch?v=sbX_aElB2dI',ambient,M,P):- M = sad , (P= (enfp) ; P=(isfp) ; P=(esfp)),!.
55 song('https://www.youtube.com/watch?v=T8-96tqFCFU&vl=en',pop_songs,M,P):- M = sad , (P= (istj) ; P=(estj) ; P=(isfp) ; P=(esfp)),!.
56 song('https://www.youtube.com/watch?v=K_-e99oLp4Y',religious,M,P):- M = sad , (P= (isfj) ; P=(estj)),!.
57 song('https://www.youtube.com/watch?v=0pZmHnj3-jQ',hip_hop,M,P):- M = sad , (P= (estj) ; P=(estp) ; P=(esfp)),!.
58 song('https://www.youtube.com/watch?v=ygxmpkHgaC8',country,M,P):- M = sad , (P= (esfj)),!.
59 song('https://www.youtube.com/watch?v=KVIwQFEyZQE',soul,M,P):- M = sad , (P= (esfj)),!.
60 song('https://www.youtube.com/watch?v=FqQjAUB6DJY',reggae,M,P):- M = sad , (P= (isfp)),!.
61 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
62 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
63 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
64 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
65 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
66 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
67 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
68 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
69 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
70 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
71 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
72 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
73 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
74 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
75 song('https://www.youtube.com/watch?v=5f-wQBh-zbQ',s,M,P):- M = sad , (P= (isfp)),!.
```

s suggest(S).

What is your personality type?: intp

How is your mood?: sad

S 'https://www.youtube.com/watch?v=SWkKvDD-Gu4'

s suggest(S).

What is your personality type?: isfj

How is your mood?: happy

S 'https://www.youtube.com/watch?v=5f-wQBh-zbQ'

s suggest(S).

What is your personality type?: entj

How is your mood?: sad

S ?- suggest(s).

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46 M = sad , (P= (entj) ; P=(intj) ; P=(entp) ; P=(infj)),!.
47 song('https://www.youtube.com/watch?v=ilTbMVG5t6M',electronic,M,P) :-
48   M = sad , (P= (entj) ; P=(estp) ; P=(enfp)),!.
49 song('https://www.youtube.com/watch?v=SWkKvDD-Gu4',metal,M,P) :-
50   M = sad , (P= (intj) ; P=(istp) ; P=(intp) ; P=(estp)),!.
51 song('https://www.youtube.com/watch?v=-fvBrKeobyA',alternative_rock,M,P)
52   M = sad , (P= (intj) ; P=(entp) ; P=(infj) ; P=(infp) ; P=(istj) ; P=)
53 song('https://www.youtube.com/watch?v=qGxO2YNFj1o',rock,M,P) :-
54   M = sad , (P= (entp) ; P=(intp) ; P=(infp) ; P=(istj) ; P=(isfj)),!.
55 song('https://www.youtube.com/watch?v=2MRdtXWcgIw',punk,M,P) :-
56   M = sad , (P= (intp) ; P=(infp) ; P=(istp)),!.
57 song('https://www.youtube.com/watch?v=F90ymkS2dt4',world,M,P) :-
58   M = sad , (P= (infj) ; P=(enfj)),!.
59 song('https://www.youtube.com/watch?v=6R9nWRWgl90',blues,M,P) :-
60   M = sad , (P= (enfj)),!.
61 song('https://www.youtube.com/watch?v=sbX_aElB2dI',ambient,M,P) :-
62   M = sad , (P= (enfp) ; P=(isfp) ; P=(esfp)),!.
63 song('https://www.youtube.com/watch?v=T8-96tqFCFU&vl=en',pop_songs,M,P)
64   M = sad , (P= (istj) ; P=(estj) ; P=(isfp) ; P=(esfp)),!.
65 song('https://www.youtube.com/watch?v=K_-e99oLp4Y',religious,M,P) :-
66   M = sad , (P= (isfj) ; P=(estj)),!.
67 song('https://www.youtube.com/watch?v=0pZmHnj3-jQ',hip_hop,M,P) :-
68   M = sad , (P= (estj) ; P=(estp) ; P=(esfp)),!.
69 song('https://www.youtube.com/watch?v=KVIwQFEyZQE',soul,M,P) :-
70   M = sad , (P= (esfj)),!.
71 song('https://www.youtube.com/watch?v=ygxmpkHgaC8',country,M,P) :-
72   M = sad , (P= (esfj)),!.
73 song('https://www.youtube.com/watch?v=FqQjAUB6DJY',reggae,M,P) :-
74   M = sad , (P= (isfp)),!.
75

```

suggest(S).

What is your personality type?:  
intp

How is your mood?:  
sad

S  
<https://www.youtube.com/watch?v=SWkKvDD-Gu4>

suggest(S).

What is your personality type?:  
isfj

How is your mood?:  
happy

S  
<https://www.youtube.com/watch?v=5f-wQBh-zbQ>

suggest(S).

What is your personality type?:  
entj

How is your mood?:  
sad

S

?- suggest(S).

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What is your personality type?:  
entj

How is your mood?:  
sad

s

'https://www.youtube.com/watch?v=McxPJ3RYY4Y'

suggest(S).

What is your personality type?:  
isfp

How is your mood?:  
happy

s

'https://www.youtube.com/watch?v=w47D1Fqn\_sA'

suggest(S).

What is your personality type?:  
enfp

How is your mood?:  
sad

s

'https://www.youtube.com/watch?v=McxPJ3RYY4Y'

?- suggest(S).

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46 M = sad , (P= (entj) ; P=(intj) ; P=(entp) ; P=(infj)),!.
47 song('https://www.youtube.com/watch?v=ilTbMVG5t6M',electonica,M,P) :-
48   M = sad , (P= (entj) ; P=(estp) ; P=(enfp)),!.
49 song('https://www.youtube.com/watch?v=SWkKvDD-Gu4',metal,M,P) :-
50   M = sad , (P= (intj) ; P=(istp) ; P=(intp) ; P=(estp)),!.
51 song('https://www.youtube.com/watch?v=-fvBrKeobyA',alternative_rock,M,P
52   M = sad , (P= (intj) ; P=(entp) ; P=(infj) ; P=(infp) ; P=(istj) ; P:
53 song('https://www.youtube.com/watch?v=qGxO2YNFj1o',rock,M,P) :-
54   M = sad , (P= (entp) ; P=(intp) ; P=(infp) ; P=(istj) ; P=(isfj)),!.
55 song('https://www.youtube.com/watch?v=2MRdtXWcgIw',punk,M,P) :-
56   M = sad , (P= (intp) ; P=(infp) ; P=(istp)),!.
57 song('https://www.youtube.com/watch?v=F90ymkS2dt4',world,M,P) :-
58   M = sad , (P= (infj) ; P=(enfj)),!.
59 song('https://www.youtube.com/watch?v=6R9nWRWgl90',blues,M,P) :-
60   M = sad , (P= (enfj)),!.
61 song('https://www.youtube.com/watch?v=sbX_aElB2dI',ambient,M,P) :-
62   M = sad , (P= (enfp) ; P=(isfp) ; P=(esfp)),!.
63 song('https://www.youtube.com/watch?v=T8-96tqFCFU&vl=en',pop_songs,M,P)
64   M = sad , (P= (istj) ; P=(estj) ; P=(isfp) ; P=(esfp)),!.
65 song('https://www.youtube.com/watch?v=K_-e99oLp4Y',religious,M,P) :-
66   M = sad , (P= (isfj) ; P=(estj)),!.
67 song('https://www.youtube.com/watch?v=0pZmHnj3-jQ',hip_hop,M,P) :-
68   M = sad , (P= (estj) ; P=(estp) ; P=(esfp)),!.
69 song('https://www.youtube.com/watch?v=KVIwQFEyZQE',soul,M,P) :-
70   M = sad , (P= (esfj)),!.
71 song('https://www.youtube.com/watch?v=ygxmpkHgaC8',country,M,P) :-
72   M = sad , (P= (esfj)),!.
73 song('https://www.youtube.com/watch?v=FqQjAUB6DJY',reggae,M,P) :-
74   M = sad , (P= (isfp)),!.
75

```