Ex: No: Introduction to Prolog. Date : Good (Surger) Program code: Good (sandwich) KBI: 100d (p. 32) Woman (mia) (distance) was woman (jody) down (possa) woman (yolanda) healts) - jooklas plays Air Guitar (jody) party. Limit fack Lout Emics). KB 2 ; auchi [j.d., sand enegri happy (yolanda) Stores (bling) cast brings) listens 2 music (mia) Listens 2 music (yolanda): - happy (yolanda). plays Air Juitar (mia) :- listens 2 music (mia) plays six guitar (yolanda): - listens 2 music (yolanda). truck (can (shery)). **kB3**: likes (dan, sally) likes (sally, dan) likes (john, brittney) movued (x,y):- likes (x,y), likes (Y,x).

friends (x, y): - likes(x, y); likes(y, x). X84: food (burger) dy Transport Good (Sandwich) food (pizza) (Brita) inspired lunch (Sandwich) (pest ware dinner (pizza) (spready) in all meal (x): - food (x). gings his fuitar (jody) KB5; owns (jack, car (bmw)). sowns (john, car (chevy)). Lepty (younds) owns (olivia, car (civic)). his teres 2 marse (man) souns (jane, car (chevy)). Sedan (car (bour)). . . int value in epula Sedan (car (civic)) (absolute) adays in years truck (car (chevy)). likes (dan , Sain) this I sain, dan his I from tribung second (2000 - like vist. like 1 x).

output:

interest on a

According to the

Result:

Thus the program is successfully executed & the output is verified.

```
?- woman(mia).
true.
?- playsAirGuitar(mia).
false.
?- party.
true.
?- concert.
ERROR: Unknown procedure: concert
KB2 Plays Air Guitar: {'mia', 'yolanda'}
KB3 Married (Dan, Sally): True
KB3 Friends (John, Brittney): True
KB4 Is Burger Food?: True
KB4 Is Sandwich Food?: True
KB4 Is Pizza Food?: True
KB5 Jack owns a sedan: True
KB5 John owns a truck: True
```

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