UI18C060-LAB-PRACTICAL

**Problem:**

Implement constraint satisfaction problem in prolog: GHHQ + GHK = JZKIZ

**Code:**

:- use\_module(library(clpfd)).

%GHHQ + GHK = JZKIZ

puzzle([G,H,H,Q] + [G,H,K] = [J,Z,K,I,Z]) :-

Vars = [G,H,Q,K,J,Z,I],

Vars ins 0..9,

all\_different(Vars),

G\*1000 + H\*100 + H\*10 + Q +

G\*100 + H\*10 + K #=

J\*10000 + Z\*1000 + K\*100 + I\*10 + Z,

G #\= 0, J #\= 0.

**Output:-**

