**ACTIVITY : Selection Statements - WHODUNNIT**

**The suspects :**

Professor Plum

Reverend Green

Miss Scarlet 

Mrs Peacock

Mr Black

Doctor Pink has been found murdered downstairs in the Kitchen, battered by some lead piping, at 20:00 hours. By a process of elimination find out **whodunnit** by looking at the following pseudo code.

IF TimeFound < 21:00 THEN

 IF (Location = Downstairs) AND (weapon=knife) THEN

 Reverend Green = innocent

 END IF

 IF (Location = Downstairs) OR (weapon=knife) THEN

 Mr Black = innocent

 ELSE

 Miss Scarlet=Innocent

 ENDIF

ELSE

 Professor Plum = innocent

END IF

IF NOT (Location=Conservatory) THEN

 IF Location=Kitchen THEN

 CASE Weapon of

 Gun: Mr Black=innocent

 Candlestick: Reverend Green = innocent

 Lead Piping : Mrs Peacock = innocent

 Rope : Professor Plum=innocent

 END CASE

 END IF

IF (location <> upstairs) AND (TimeFound>12:00) Then

 Professor Plum = innocent

 IF location=kitchen THEN

 Miss Scarlet=innocent

 ENDIF

ELSE

 Mr Black = innocent

 ENDIF

END IF

**The murderer was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**