A hospital has 3 classes of patient recovery rooms. Room rates are as follows:

Room Type Rate per day

Ward A $100

Semi-Private B $150

Private C $200

Using the fields defined below, compute the total room cost for a patient using nested and sequential IF statements and then evaluate statement.

01 ROOM-TYPE PIC X. (possible values are A, B, or C)

01 DAYS-OCCUPIED PIC 99.

01 TOTAL-ROOM-COST PIC 9(5)V99

-----------------------------------------------------EVALUATE------------------------------------------------------------------------

EVALUATE ROOM-TYPE

WHEN ‘A’

COMPUTE TOTAL-ROOM-COST = 100 \* DAYS-OCCUPIED

WHEN ‘B’

COMPUTE TOTAL-ROOM-COST = 150 \* DAYS-OCCUPIED

WHEN ‘C’

COMPUTE TOTAL-ROOM-COST = 200 \* DAYS-OCCUPIED

END-EVALUATE.

--------------------------------------------------SEQUENTIAL IF---------------------------------------------------------------------

IF ROOM-TYPE = ‘A’

COMPUTE TOTAL-ROOM-COST = 100 \* DAYS-OCCUPIED.

IF ROOM-TYPE = ‘B’

COMPUTE TOTAL-ROOM-COST = 150 \* DAYS-OCCUPIED.

IF ROOM-TYPE = ‘C’

COMPUTE TOTAL-ROOM-COST = 200 \* DAYS-OCCUPIED.

----------------------------------------------------NESTED IF-------------------------------------------------------------------------

IF ROOM-TYPE = ‘A’

COMPUTE TOTAL-ROOM-COST = 100 \* DAYS-OCCUPIED

ELSE

IF ROOM-TYPE = ‘B’

COMPUTE TOTAL-ROOM-COST = 150 \* DAYS-OCCUPIED

ELSE

COMPUTE TOTAL-ROOM COST = 200 \* DAYS-OCCUPIED.