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

**NESTED IF’S**

IF ROOM-TYPE = ‘A’

MULTIPLY DAYS-OCCUPIED BY 100 GIVING TOTAL-ROOM-COST

ELSE

IF ROOM-TYPE = ‘B’

MULTIPLY DAYS-OCCUPIED BY 150 GIVING TOTAL-ROOM-COST

ELSE

MULTIPLY DAYS-OCCUPIED BY 200 GIVING TOTAL-ROOM-COST.

**SEQUENTIAL IF’S**

IF ROOM-TYPE = ‘A’

MULTIPLY DAYS-OCCUPIED BY 100 GIVING TOTAL-ROOM-COST.

IF ROOM-TYPE = ‘B’

MULTIPLY DAYS-OCCUPIED BY 150 GIVING TOTAL-ROOM-COST.

IF ROOM-TYPE = ‘C’

MULTIPLY DAYS-OCCUPIED BY 200 GIVING TOTAL-ROOM-COST.

**EVALUATE STATEMENT**

EVALUATE ROOM-TYPE

WHEN ‘A’

MULTIPLY DAYS-OCCUPIED BY 100 GIVING TOTAL-ROOM-COST

WHEN ‘B’

MULTIPLY DAYS-OCCUPIED BY 150 GIVING TOTAL-ROOM-COST

WHEN ‘C’

MULTIPLY DAYS-OCCUPIED BY 200 GIVING TOTAL-ROOM-COST.