Answers ONLY

Question 1

- *if (!(x == 30 && y == 10))*

X	Y	X && Y	!(X&&Y)
T	T	T	F
T	F	F	T
F	T	F	T
F	F	F	T

- *if (x != 30 || y != 10)*

X	Y	X && Y	!(X&&Y)	!X	!Y	(!X||!Y)
T	T	T	F	F	F	F
T	F	F	T	F	T	T
F	T	F	T	T	F	T
F	F	F	T	T	T	T

- As the truth table *If (x != 30 || y != 10)* is equal to *if (!(x == 30 && y == 10))*

- *if (x == 30 && (!(y == 10)))*

X	Y	X && Y	!(X&&Y)	!X	!Y	(!X||!Y)	X&&!Y
T	T	T	F	F	F	F	F
T	F	F	T	F	T	T	T
F	T	F	T	T	F	T	F
F	F	F	T	T	T	T	F

- As the truth table *if (x == 30 && (!(y == 10)))* is NOT equal to *if (!(x == 30 && y == 10))*

Question 2 – *Screen shorts of Rock, Paper, Scissors Game*

- Game start at Console

```
  Game.java      Problems     @ Javadoc      Declaration      Console ✕
<terminated> Game [Java Application] C:\Program Files\Java\jre1.8.0_102\bin\javaw.exe (Aug 29, 2016, 4:09:31 AM)
-------------------------Welcome to ROCK / PAPER / SCISSOR Game-----------------
*** iNSTRUCTIONS fOR tHE gAME ***
#pRESS
 0. rOCK
 1. pAPER
 2. sCISSOR
 55. Exit
-------------------------------------------------------------------------------
```

```
How many rounds you wish to play ?
four
Please enter a number
How many rounds you wish to play ?
70
Please Enter valid number 1 - 30
How many rounds you wish to play ?
25
###################################################################################
Choice your OPTION :
 0 - RoCK
 1 - Paper
 2 - ScISSor
 55 - Exit
Answer:one
Please Enter a Valid Number :
Choice your OPTION :
 0 - RoCK
 1 - Paper
 2 - ScISSor
 55 - Exit
Answer:1
Computer is thinking.......
Computer Choice : 1

My Choice was : 1
Same item selected
Choice your OPTION :
 0 - RoCK
 1 - Paper
 2 - ScISSor
 55 - Exit
Answer:4
```

*Error Handling and
 Limiting range*

Game Play

```
Your selection must be ( 0 / 1 / 2 ) or ( 55 )
Choice your OPTION :
 0 - RoCK
 1 - Paper
 2 - ScISSor
 55 - Exit
Answer:2
Computer is thinking.......
Computer Choice : 2

My Choice was : 1
Scissors wins: scissors cut paper : Computer win
```

Filtering rang and Results

```
Choice your OPTION :
 0 - RoCK
 1 - Paper
 2 - ScISSor
 55 - Exit
Answer:55
Hope you Enjoyed :)
|
```

Exit and summery

```
Same item selected


********************************
Summery - Total Rounds 25
I won ( 9 ) Rounds
Computer won ( 10 ) Rounds
********************************
```