These were the requirements for Exercise 7

For each task, you must provide a solution in the form of a flowchart that displays the pseudocode of each task. Tasks without a solution will not be taken into account.

The problems can be solved on paper and photographed, or created using any diagram application (for example, Miro, diagrams.net), and screenshots should be taken. Then, you must place the photos or screenshots into a text document.

Task 1

Display the pseudocode below as a **flowchart**.

```
Begin
Input X, Y
If X > Y
__Print (X, 'is greater than', Y)
Else
__Print (Y, is greater than or equal to', X)
EndIf
End
```

What is the minimum number of test cases required to ensure 100% statement coverage and 100% decision coverage?

A. Statement coverage = 3, Decision coverage = 3
B. Statement coverage = 2, Decision coverage = 2
C. Statement coverage = 1, Decision coverage = 2
D. Statement coverage = 2, Decision coverage = 1

Task 2
Display the pseudocode below in the form of a flowchart.

```
if (Condition 1)
then statement 1
else statement 2
fi
if (Condition 2)
then statement 3
fi
```

What is the minimum number of test cases required to guarantee 100% path coverage?
A. 1
B. 2
C. 3
D. None of the above answers is correct

Task 3.

Within a team developing a Java application, clarify who is responsible for white-box/static testing and what tools are used for this purpose.

For this task, you are required to conduct independent research and look for examples of tools and frameworks used for testing applications written in Java.