**Activity 7 Array/loop**

**difference between for loop, while loop and do… while loop. Give an example of each. What are the pros and cons?**

**While loop:**

*Syntax: while(condition)* { ————-}

While loop executes unless the condition becomes false. In while loops whether there is increment or decrement it is done in body.

**For loop:**

*Syntax:*

For(initialization; conditions:Inc/Dec)

{————-}

Initialization: executes only once

Condition: evaluated at the beginning of each iteration.

Inc/Dec: executed at the end of iteration.

In for loop the increment or decrement is done in header.

**Do while loop:** In this loops executed at least once even if the condition is false.so the process takes minimum once whether the condition is satisfying or not.