**Activity 1**

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Pseudocode

**Definition**:

Pseudocode is a high-level description of an algorithm that uses informal language and simple constructs to represent the basic steps of the algorithm. It is not a programming language, but rather a way of expressing algorithms in a form that is easy to understand and implement.Pseudocode is used by programmers as a tool for planning and designing algorithms before they are implemented in a specific programming language. It allows them to focus on the logic and structure of the algorithm without getting bogged down in the details of syntax and implementation.

**Advantages of Using Pseudocode**

One of the main advantages of using pseudocode is that it can be easily understood by people who are not familiar with a particular programming language. This makes it an effective communication tool between programmers and other stakeholders such as project managers or clients.Another advantage of pseudocode is that it allows programmers to test and refine their algorithms before writing actual code. This can save time and resources in the long run, as errors and bugs can be identified and corrected early in the development process.

**Examples:**

**1.Check whether student passed/failed:**

If student's grade is greater than or equal to 60

Print "passed"

else

Print "failed"

**2.Addition of two number**

BEGIN

input num 1,num 2

sum = num 1 + num 2

diplay total

END

**3. Multiplying two numbers**:

BEGIN

 NUMBER number1, number2, product

 OUTPUT("Input number 1:")

 INPUT number1

 OUTPUT("Input number 2:")

 INPUT number2

 product=number1+number2

 OUTPUT product