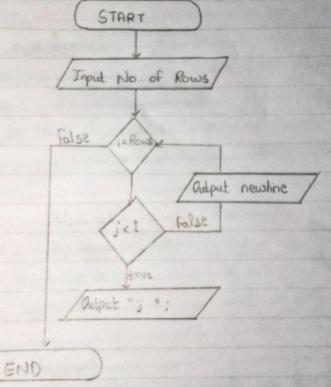
Aim: Greate, debug, and sun java programs based on decision making and looping.

flow chart:

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Practical No. 03

Aim: Create, debug, and sun java programs based on decision making and looping. Theory: What is a looping? - A loop is a way of representing lines of code more than The block of code contained within the loop will be executed again and again und until the condition suggested by the loop is met. What one the types of loops? + i) Indeterminate ii) Determinate i) Indeterminate: An intindeterminate loop does not know how many times it will run. For example, while, do ... while

ii) Determinate:

A determinate loop knows exactly how many times it will loop.

For example, for loop.

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The While and do-while statements:

The while statement continually

executes a block of statements

while a particular condition is true. Its syntax can be expressed

ab:

while (expression) {

statement(s)

3

The while statement evaluates expression, which must return a boolean value. If the expression evaluates to the true, the while statement execute the statement(s).

Do-while statement:

30 g

statement(s)

3 while (expression)

The difference between do-while and while is that do-while evaluates its expressions at the bottom of the loop instead of the top.

The Jox Statement:

The for statement provides a compact way to iterate over a range of values. Programmers often refer to it as the "for loop" because of the way in which it repeatedly loops until a particular condition is satisfied.

For (initialization; termination; increment) {

Statement(s);

3

- · The initialization expression initializes the loop; its executed once as it begins.
- · When the termination expression evaluates to False, the loop term to terminates.
- The increment expression is invoked after each iteration through the loop; it is perfectly acceptable acceptable for this expression to increment or decrement a value.

the second second second second second Anna Park Target and Shopping the last to the same of the same of the same of the transfer to the terms to th Manager & Comment of the Comment of Conclusion: Hence, by performing this practical I learnt the concept of decision making and looping and I also created, debugged and van java programs based on decision making and looping