EXPERIMENT-25

AIM: Finding Cyclomatic Complexity for a graph having number of edges as 12, number of nodes as 13 and number of predicate nodes in the flow graph as 5

OBJECTIVE:

The Cyclomatic complexity defines the number of independent paths in the basis set of the program that provides the upper bound for the number of tests that must be conducted to ensure that all the statements have been executed at least once.

PROCEDURE:

For drawing a flowchart for the above experiment, we have to download Raptor software for PC.

After downloading the software install it in your PC and open it.

Your required tools displayed on top left of the screen (execute to completion, pause, stop/reset, step to next shape, test against server, toggle ink and symbols)

Take reference from google and get flow charts of raptor diagram Find Cyclomatic Complexity for a graph having number of edges as 12, number of nodes as 13 and number of predicate nodes in the flow graph as 5.

Now construct the flowchart accordingly with the help of Raptor tools.

> A RAPTOR program consists of connected symbols that represent actions to be executed.
> The arrows that connect the symbols determine the order in which the actions are performed.
> The execution of a RAPTOR program begins at the Start symbol and goes along the arrows to execute the program.
> The program stops executing when the End symbol is reached.

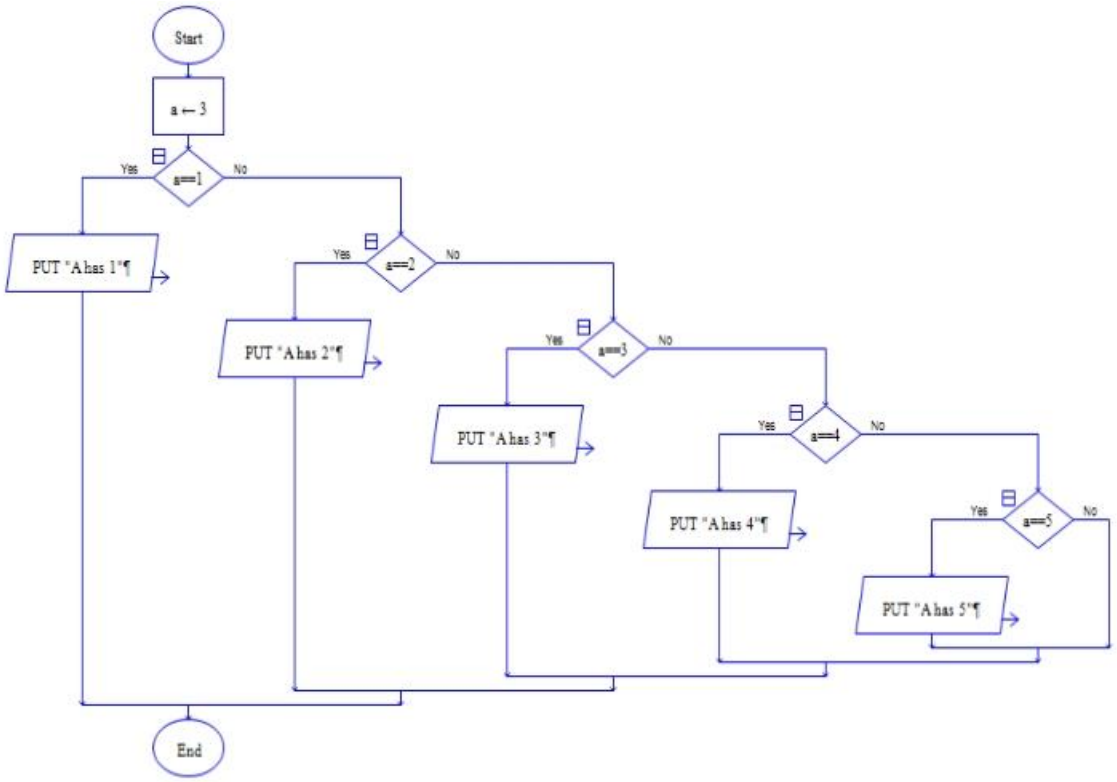
After drawing the flowchart diagram save it and take a screen shot of the diagram.

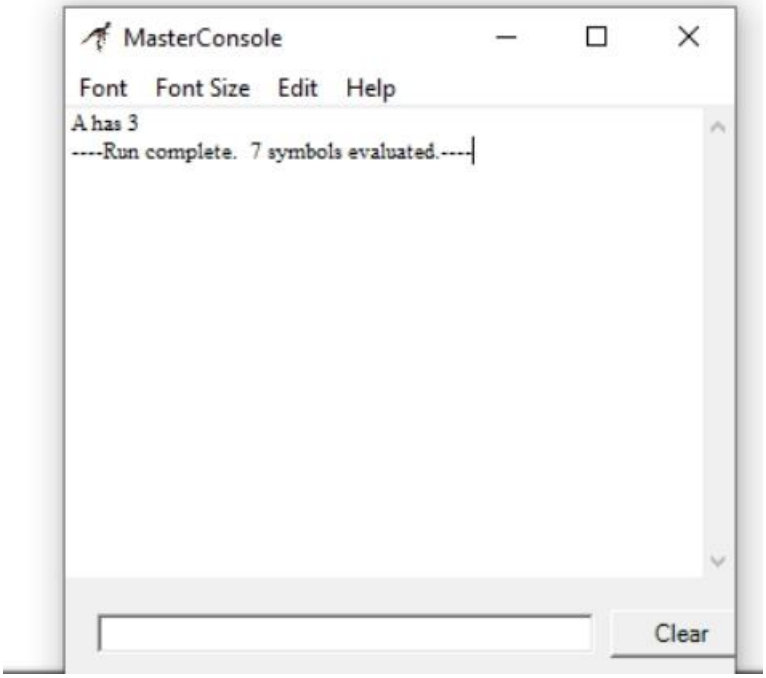
Go to paint app in your PC and paste the image you captured and select only the image, copy it.

Now open word document and paste it under related experiment.

OUTPUT:

Finding Cyclomatic Complexity for a graph having number of edges as 12, number of nodes as 13 and number of predicate nodes in the flow graph as 5.





RESULT:

Thus, using Raptor above experiment is implemented successfully.