EXPERIMENT-24

AIM: Using Raptor drawing the flowchart to find whether the given number is prime or not.

OBJECTIVE: A prime number is a whole number greater than 1 whose only factors are 1 and itself. A factor is a whole number that can be divided evenly into another number. The first few prime numbers are 2, 3, 5, 7, 11, 13, 17, 19, 23 and 29. Every prime number can be written in the form of **6n + 1 or 6n – 1** (except the multiples of prime numbers, i.e., 2, 3, 5, 7, 11), where n is a natural number. **If a number has only two factors 1 and itself, then the number is prime**. Hence, by prime factorization of the given number, we can easily determine a prime number.

PROCEDURE:

For drawing a flowchart to find whether the given number is prime or not, 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 to find whether the given number is prime or not.

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.

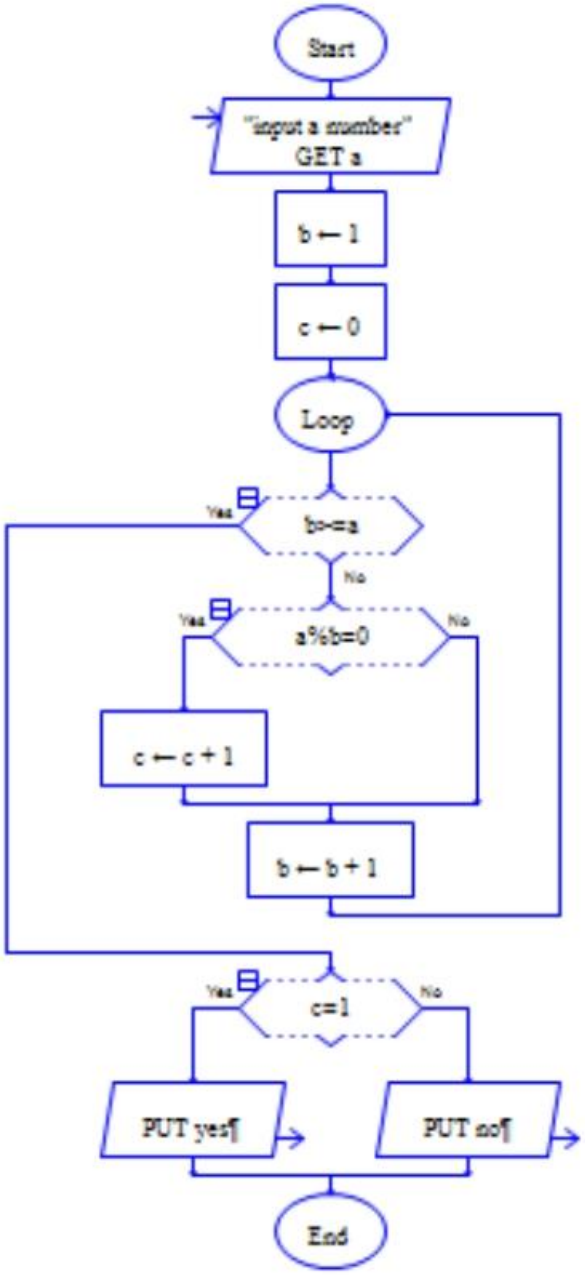
After drawing the flowchart diagram save it and take a screen shot of the diagram.

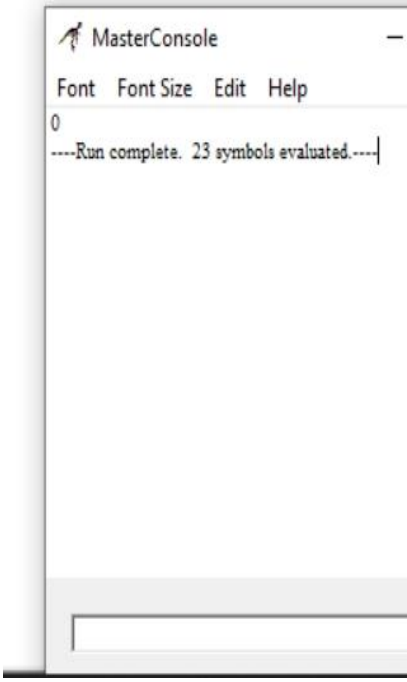
Go to paint app in your PC and paste the image you captured and select only the image, copy it.

Now open word document and paste it under related experiment.

OUTPUT:

FLOWCHART TO FIND WHETHER THE GIVEN NUMBER IS PRIME OR NOT USING RAPTOR.





RESULT: Thus, using Raptor above experiment is implemented successfully.