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**PROGRAM: BS(CS)**

**TASK: #05 (ICT LAB)**

## Q1: Write an Algorithm and Flow chart to find Area and Perimeter of Circle:

### Algorithm:

Step 01: Start

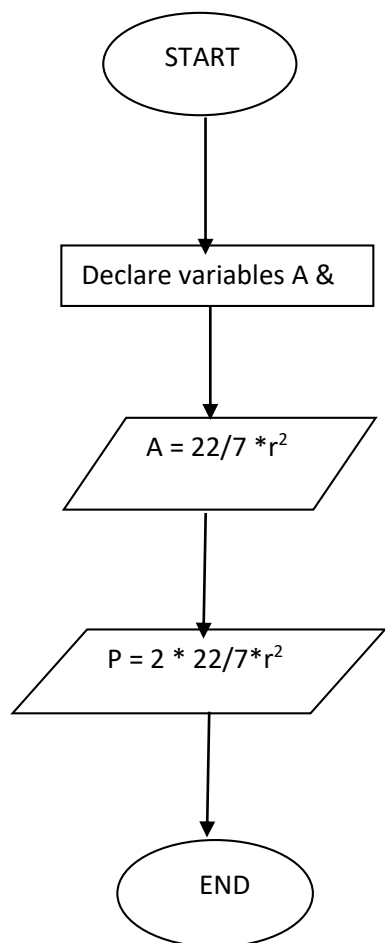
Step 02: Declare variables "Area" & "Parameter"

Step 03:  $\text{Area} = \frac{22}{7} * r^2$

Step 04:  $\text{Parameter} = 2 * \frac{22}{7} * r$

Step 05: End

### Flow Chart:



## Q2: Write an Algorithm and Flow chart to swap two numbers using Temporary variable:

### Algorithm:

Step 01: Start

Step 02: Declare variables "temp", "a" & "b"

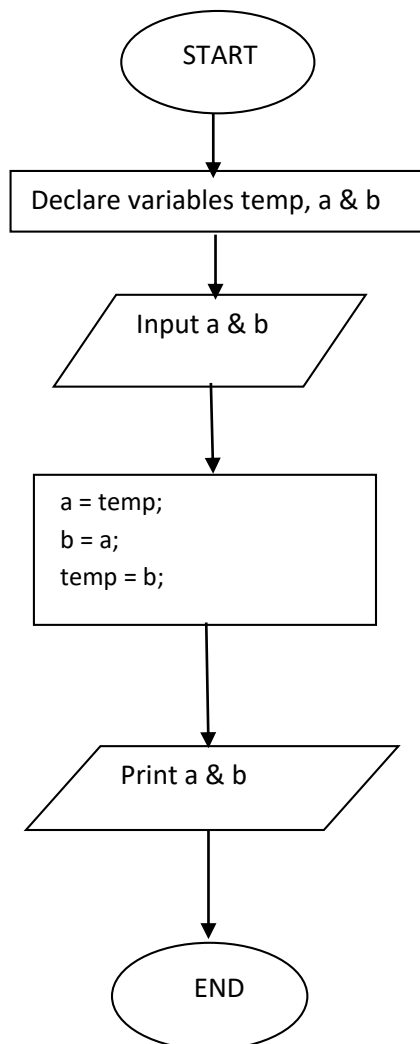
Step 03: Input the value of a & b

Step 04: First put the value of a in temporary variable then put the value of a in b and then finally put temporary variable value in b

Step 05: Display a & b after swapping

Step 05: End

### Flow Chart:



### Q3: Write an Algorithm and Flow chart to swap two numbers without using Temporary variable:

#### Algorithm:

Step 01: Start

Step 02: Declare variables "a" & "b"

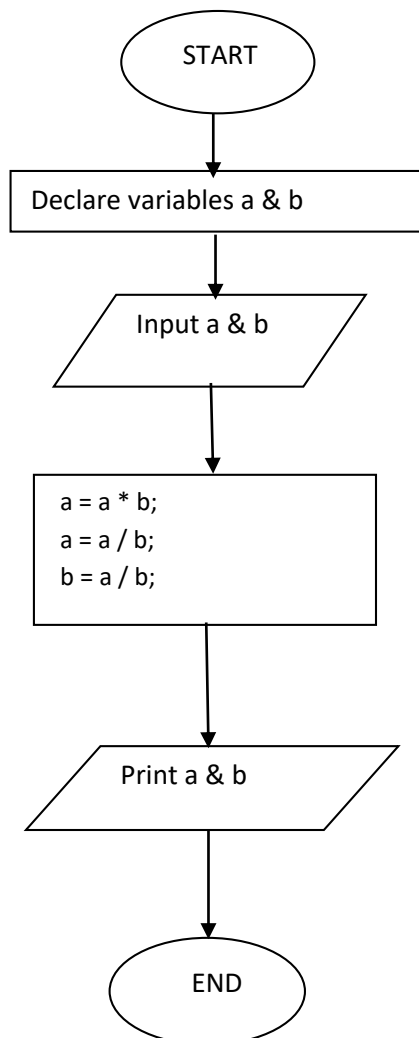
Step 03: Input the value of a & b

Step 04: a equal to a into b and then the value of a equal to a divide by b and b equals to b divide by b

Step 05: Display a & b after swapping

Step 05: End

#### Flow Chart:



**Q4: Write an Algorithm and Flow chart to find the largest of the two numbers:**

**Algorithm:**

Step 01: Start

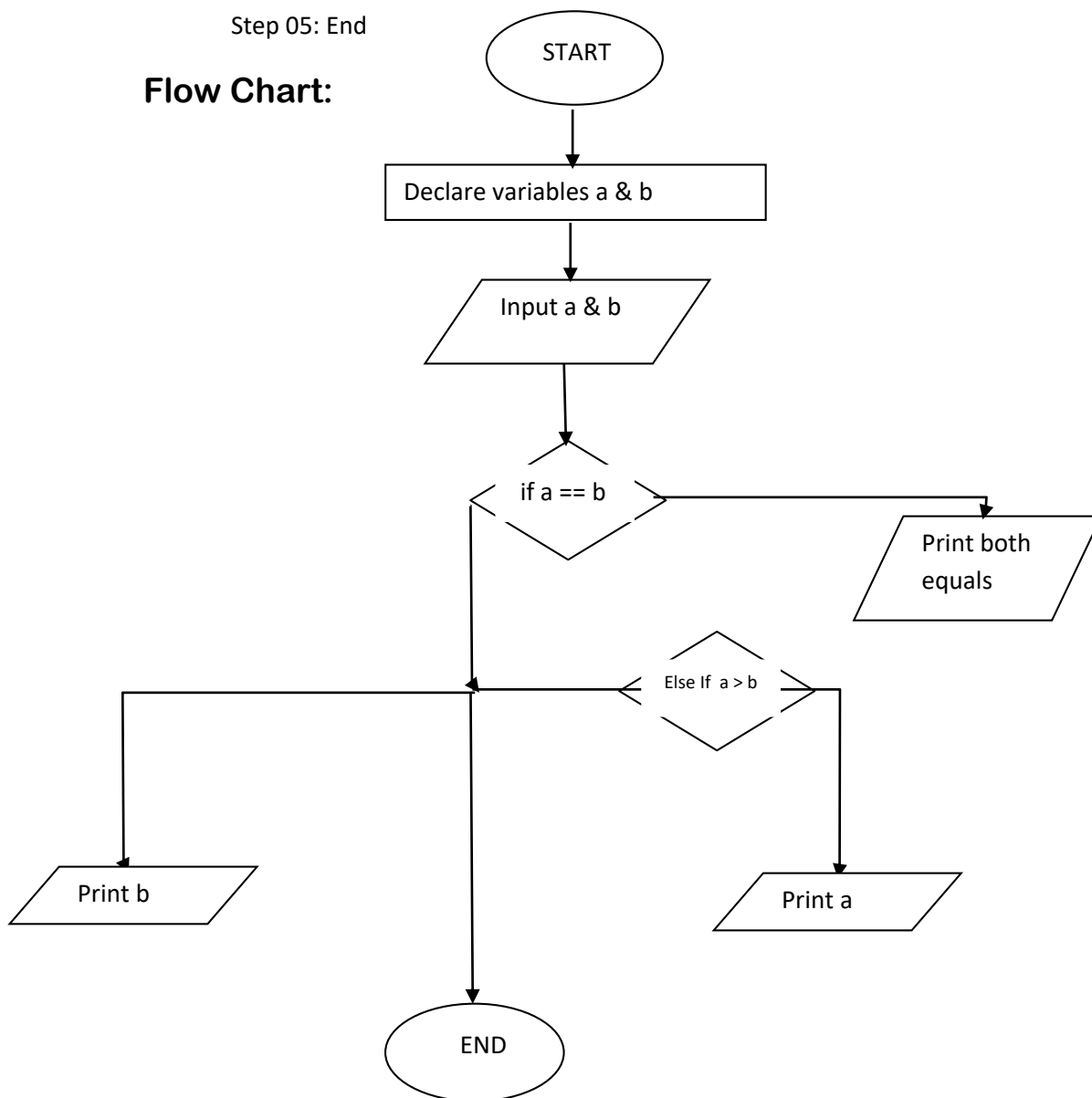
Step 02: Declare variables "a" & "b"

Step 03: Input the value of a & b

Step 04: If the value of a greater then b then print a, if both values are equal then print both are equal and if b is greater than a then display b

Step 05: End

**Flow Chart:**



**Q5: Write an Algorithm and Flow chart to find the Even numbers between 1 to 50:**

**Algorithm:**

Step 01: Start

Step 02: Declare variables "a"

Step 03: Input the value of a

Step 04: Print just Even numbers

Step 05: End

**Flow Chart:**

