Assignment # 2

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Q1 Students must draw the flowchart for circle area and circumference calculation using proper symbols and connections as shown in the explanation.

Algorithm:-

step # 1: Start

step # 2: INPUT radius

step # 3: CALCULATE Area, where Area = $\pi * r^2$.

step # 4: CALCULATE Circumfere, where Circumference = $2 * \pi * r$.

step # 5: OUTPUT Area, Circumference.

step # 6: Stop

Definition of Flowchart:-

Flowchart is the graphical representation of an algorithm or process, using symbols and arrows to represent flow of data through processing system.

Flowchart:

```
        ( Start )
            |
            v
     / Input radius /
            |
            v
   | Area = π * r^2 |
            |
            v
 | Circumference = 2 * π * r |
            |
            v
    / Output Area /
            |
            v
 / output Circumference /
            |
            v
        ( stop )
```