

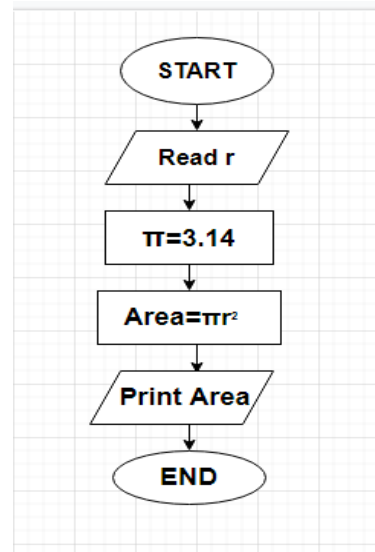
Write algorithms and draw flow charts for the following problems.

1. To find the area of a circle and print the result ( $\text{Area} = \pi r^2$ ).

### ALGORITHM

1. START
2. READ THE VALUE OF RADIUS OF A CIRCLE.
3. GIVE  $\pi=3.14$
4. CALCULATE THE AREA OF THE CIRCLE =  $\pi r^2$
5. PRINT AREA.
6. END

### FLOWCHART

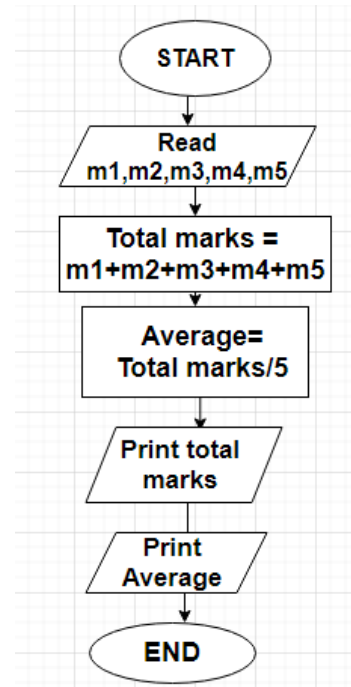


2. To print the sum of first '5' whole numbers (0,1,2,3,4,5,6,7,...).

### ALGORITHM

1. START
2. READ THE VALUES  
M1,M2,M3,M4,M5.
3. CALCULATE TOTAL  
MARKS =  
 $M1+M2+M3+M4+M5$
4. AVERAGE = TOTAL  
MARKS/5
5. PRINT TOTAL MARKS
6. PRINT AVERAGE
7. END.

### FLOWCHART



3. To find the total marks and average of a student, who has 5 subjects.

### ALGORITHM

1. START
2. TAKE =  $N1=0$ ,  
 $N2=1$ ,  $N3=2$ ,  
 $N4=3$ ,  $N5=4$ .
3. CALCULATE SUM  
OF FIRST 5  
WHOLE NOS. =  
 $N1+N2+N3+N4+N5$ .
4. PRINT SUM OF  
FIRST FIVE  
WHOLE NUMBERS.
5. END

### FLOWCHART

