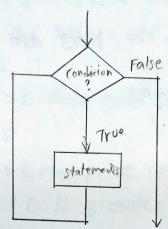
· ITERATION

A set of statements are executed repeatedly based on a condition



If the condition evaluates to TRUE the set of statements gets executed again and again. As soon as the condition becomes false the repetition stops.

al: write an aborithm to print the numbers from

STEP 1 : START

STEP 2: Read value of variable n.

STEP 3 : Assign i = 1

STEP 4: print i

STEP J: calculate i=i+1

STEP 6: Check if i <= 10, if yes repeat

Step 4. otherwise go to step next

step

STEP 7: STOP

62: Write an algorithm to print even numbers of n.

STEP1: START

STEP 2: Read value of variable n.

STEP 3: Assign i = 0

STEP 4: printi

```
STEPS: compute i= i+2
SIEP 6: Check if i <= n, if yes repeat
        Step 4 otherwise go to next step.
37EP 7: END
write an algorithm to print odd numbers of n.
STEP 1: START
STEP 2: Read & value of variable n.
STEP 3: Assign i=1
STEP Y: Print i
STEPS: compute i=i+2
step 6: check if i c=n, if yes repeat
        STEP 4 otherwise go to next step.
STEP 7 : END
write an aborithm to print sum of n natural
numbers. 1+2+3+ ... + n.
STEP 1: START
SIEP 2: Read value of variable 'n'
STEP 3: Assign i=1, s=0
STEP4: Computes=s+i
STEPS: compute i=i+1
STEP 6: check if i <=n, if yes respect
        Step 4 otherwise go to next step
step 7: print s
Step 8: END
H/W: S = 1+3+5+ ... +h
     S=2+4+6 -...+n
```

Q3:

Q4: