

Write an algorithm to find factorial of a given number

Step 1: start

step 2: get n value

step 3: set initial value $i=1$, $fact=1$

Step 4: check i value if($i \leq n$) goto step 5
else goto step8

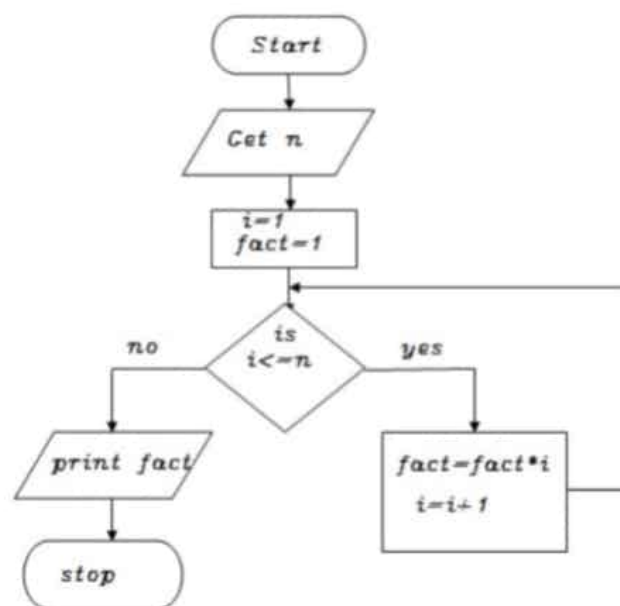
step 5: calculate $fact=fact*i$

step 6: increment i value by 1

step 7: goto step 4

step 8: print fact value

step 9: stop



BEGIN

GET n

INITIALIZE $i=1, fact=1$

WHILE($i \leq n$) DO

$fact=fact*i$

$i=i+1$

ENDWHILE

PRINT fact

END

Write an algorithm to print n even numbers

Step 1: start

step 2: get n value

step 3: set initial value $i=2$

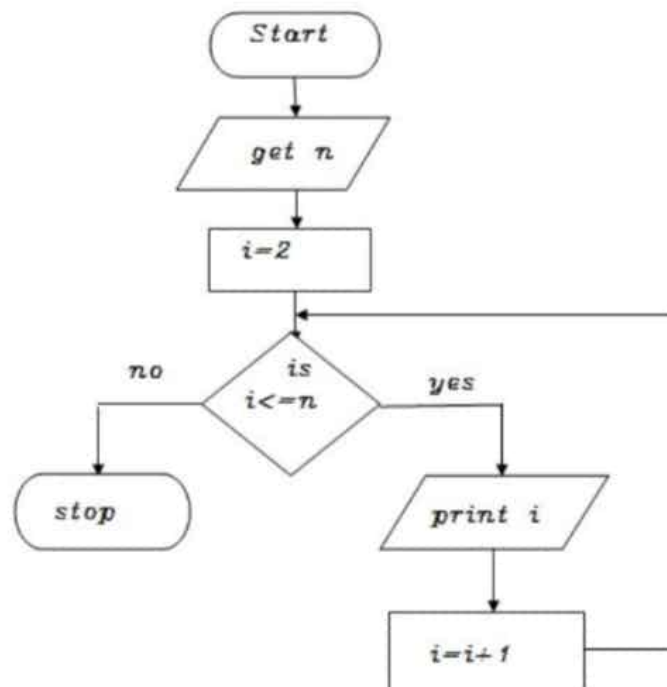
step 4: check if($i \leq n$) goto step 5 else goto step 8

step 5: print i value

step 6: increment i value by 2

step 7: goto step 4

step 8: stop



BEGIN

GET n

INITIALIZE $i=2$

WHILE($i \leq n$) DO

 PRINT i

$i=i+2$

ENDWHILE

END

squares of a number

Step 1: start

step 2: get n value

step 3: set initial value $i=1$

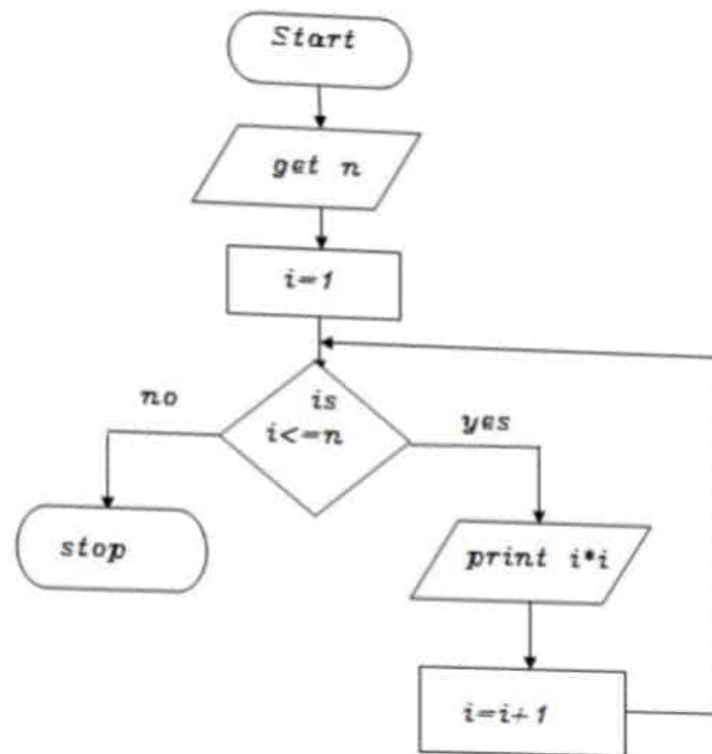
step 4: check i value if($i \leq n$) goto step 5
else goto step 8

step 5: print $i*i$ value

step 6: increment i value by 1

step 7: goto step 4

step 8: stop



BEGIN

GET n

INITIALIZE $i=1$

WHILE($i \leq n$) DO

 PRINT $i*i$

$i=i+1$

ENDWHILE

END

Write an algorithm to print the cubes of a number

Step 1: start

step 2: get n value

step 3: set initial value $i=1$

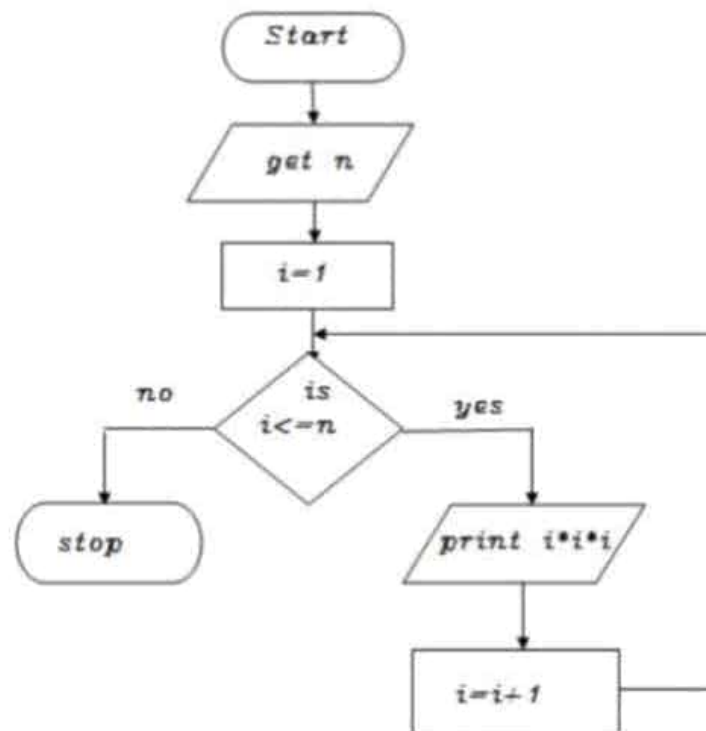
step 4: check i value if($i \leq n$) goto step 5
else goto step 8

step 5: print $i*i*i$ value

step 6: increment i value by 1

step 7: goto step 4

step 8: stop



BEGIN

GET n

INITIALIZE $i=1$

WHILE($i \leq n$) DO

 PRINT $i*i*i$

$i=i+1$

ENDWHILE

END

Write an algorithm to find sum of a given number

Step 1: start

step 2: get n value

step 3: set initial value $i=1$, $sum=0$

Step 4: check i value if($i \leq n$) goto step 5
else goto step8

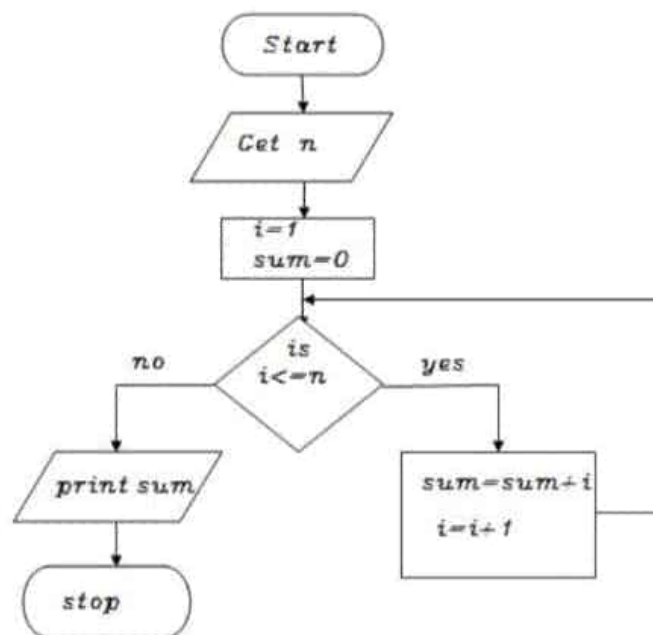
step 5: calculate $sum=sum+i$

step 6: increment i value by 1

step 7: goto step 4

step 8: print sum value

step 9: stop



BEGIN

GET n

INITIALIZE $i=1, sum=0$

WHILE($i \leq n$) DO

$sum=sum+i$

$i=i+1$

ENDWHILE

PRINT sum

END