Loops:

For implementation of any task repeatedly we can use loop.

For loop

While loop

Do while Loop

For Each(Enhanced For Loop)

for(intilisation;condition;update)

{

//body

}

A close-up of a graph paper

Description automatically generated

For Loop flow

A screen shot of a computer

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A screen shot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

Do -while loop body will get executed at least once. Since it performs the operations and checks the condition.

In case of for and While loop first condition check will happen then only body will get executed.

A close-up of a computer screen

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Infinite loop

A screenshot of a computer program

Description automatically generated

Initially \*\*\*\*\* has been printed using one loop.

The Same pattern has to be repeated 5 times and print in new line.

We can use another loop to repat the pattern in the new line.

A screenshot of a computer program

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For every Pattern make sure you write the indexing then it will be easy to write the conditions

In the below format.

/\*

00 01 02 03

10 11 12 13

20 21 22 23

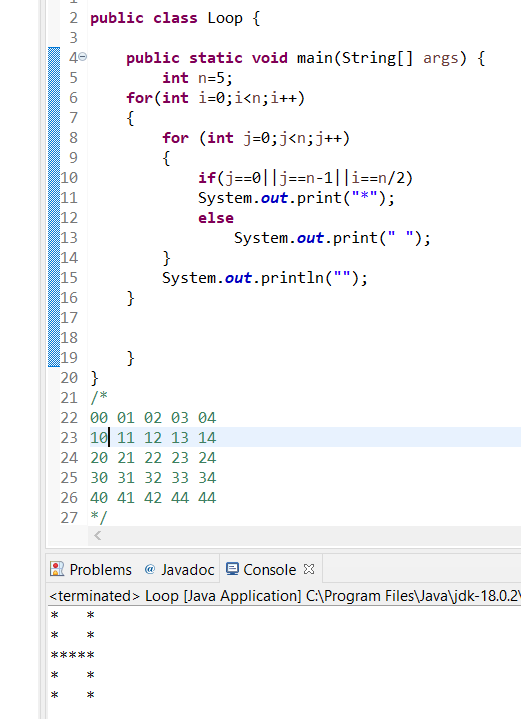
30 31 32 33

\*/

Like this if we write it will easy for writing the code.

A screenshot of a computer program

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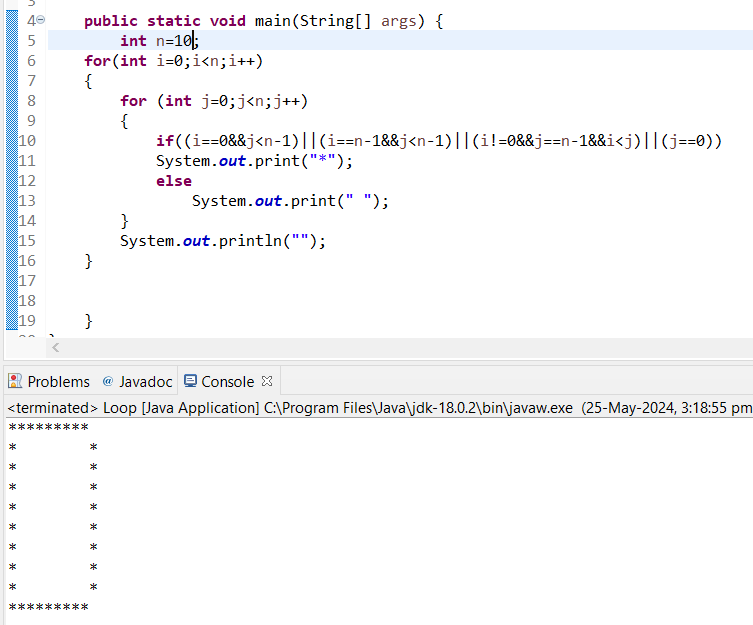


A screenshot of a computer program

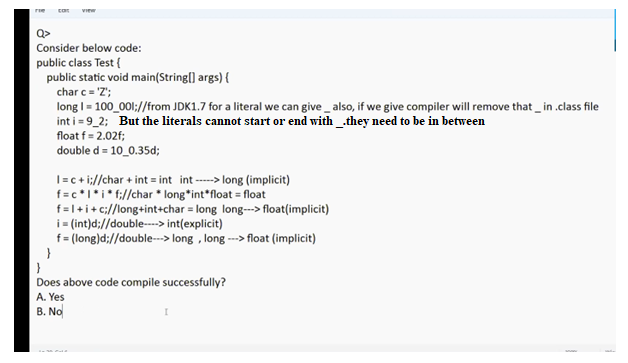
Description automatically generated

A screenshot of a computer program

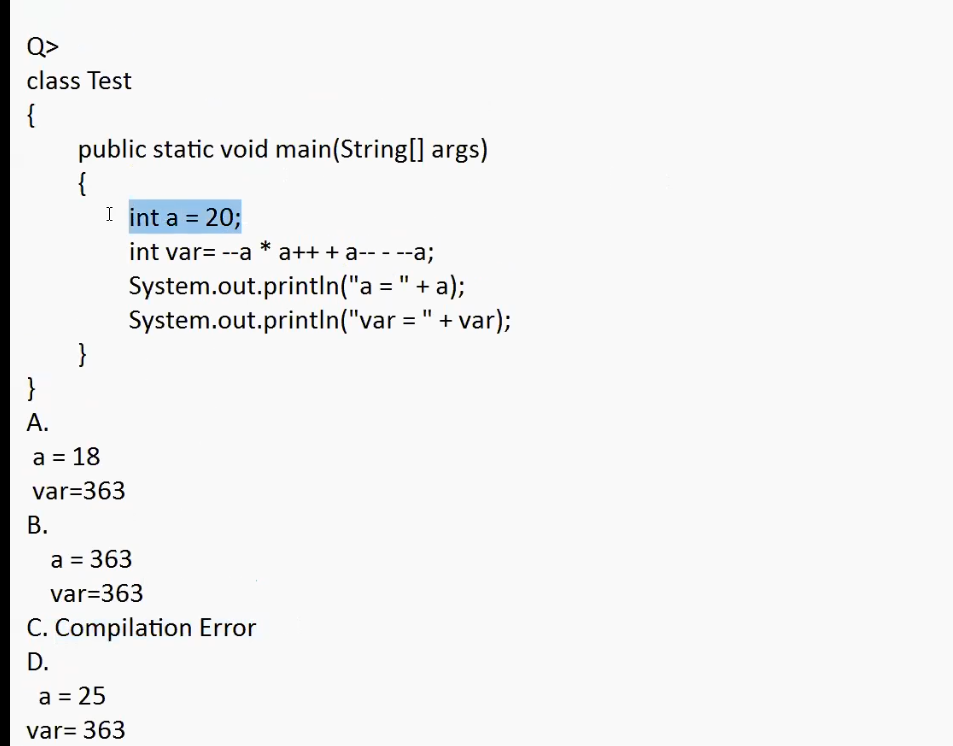
Description automatically generated



Code Snippets:



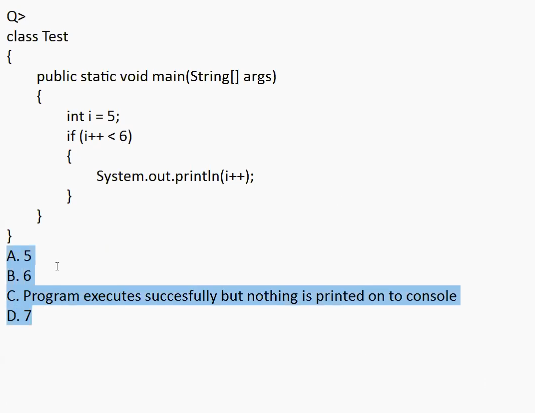
Yes



--a \* a++ + a-- - --a //19\*19+20-18=363

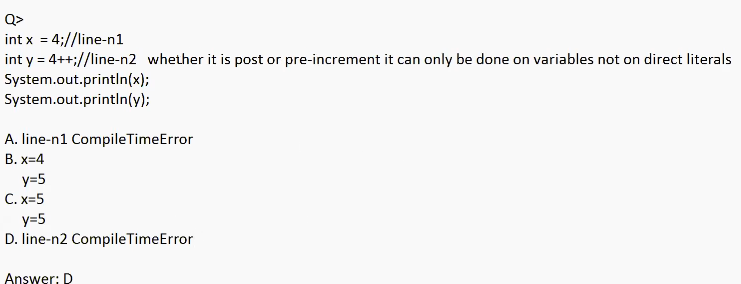
a=18

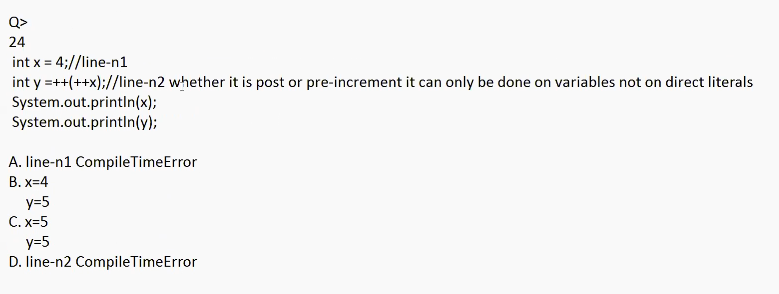
var=363



//5<6—true

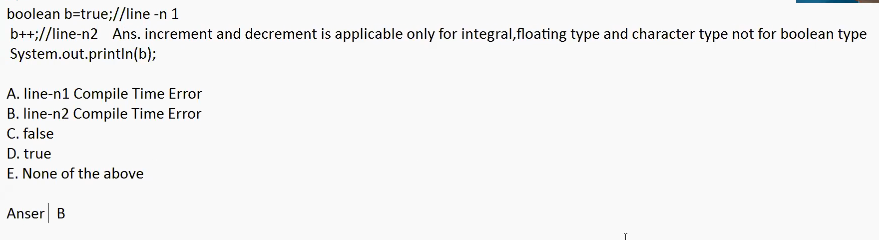
Ans:6

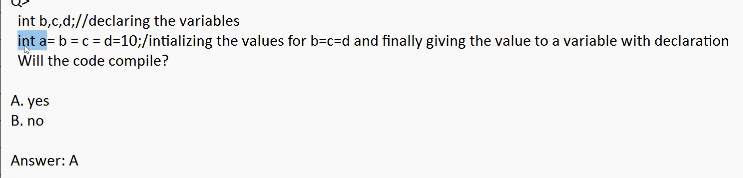




JVM (++x) will return literal and we cannot perform pre/post increment directly on literals.

D.

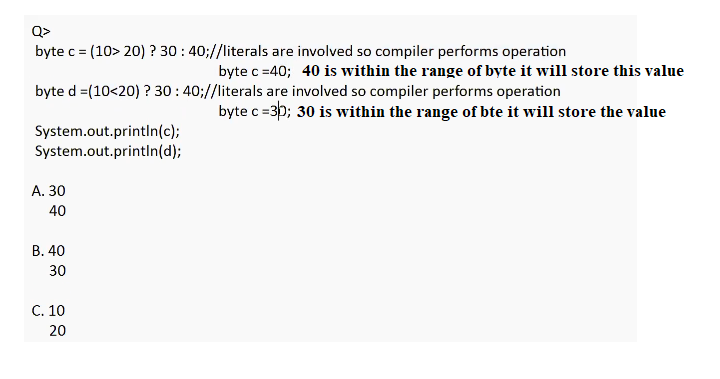




A white background with black text

Description automatically generated

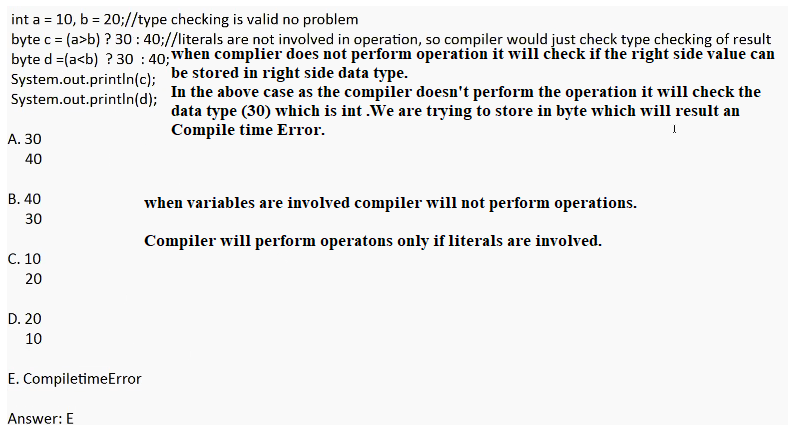
Answer : B



Answer : 40

30

When literals are involved Compiler will perform Operations



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