

Instructions for Project 5

Write an assembly code for each of the following. Only one program for all.

Initial part of code given below:

```
program stars;

#include ("stdlib.hhf");




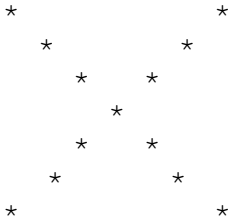
var
    numofStars:      int8;

begin stars;
    stdout.put("Enter a positive integer (5 to 10): ");
    stdin.getu8();
    MOV (AL, numofStars);
```

Do not forget to print your
info, type comments....
(See Project Guidelines)

Change to:
Odd Integer, between 5 and 9

No	Shape	Code (C and Assemble)
A	<pre> *</pre>	<pre> for (i = 0; i <= number; i++) { for (j = 0; j <= i; j++) System.out.print ("* "); System.out.println(); } // Shape A stdout.put("A", nl); for (MOV(0, AL); AL <= numofStars; INC(AL)) do for (MOV(0, BL); BL < AL; INC(BL)) do stdout.put("* "); endfor; stdout.newln(); endfor;</pre>
B	<pre> *</pre>	<pre> for (i = number; i >= 0; i--) { for (j = 0; j <= i; j++) System.out.print ("* "); System.out.println(); }</pre>
C	<pre> *</pre>	<pre> for (i = 0; i <= number; i++) { for (j = 0; j <= i; j++) System.out.print (" "); for (j = 0; j <= number - i; j++) System.out.print ("* "); System.out.println(); }</pre>

D	 <pre> * * * * * * * * * * * * * * * * * * * * </pre>	<pre> for (i = 0; i <= number; i++) { for (j = 0; j <= number - i; j++) System.out.print (" "); for (j = 0; j <= i; j++) System.out.print ("* "); System.out.println(); } // Shape C stdout.put("C", nl); for (MOV(0, AL); AL <= numOfStars; INC(AL)) do MOV (numOfStars, CL); SUB (AL, CL); for (MOV(0, BL); BL < CL; INC(BL)) do stdout.put(" "); endfor; for (MOV(0, BL); BL < AL; INC(BL)) do stdout.put("* "); endfor; stdout.newln(); endfor; </pre> <p>It should be "D"</p> <p>This is two spaces</p> <p>This is asterisk and space</p>
E	 <pre> * * * * * * </pre>	<pre> for (i = 0; i <= number; i++) { for (j = 0; j <= number - i; j++) System.out.print (" "); System.out.print ("*"); System.out.println(); } </pre>
F	 <pre> * * * * * * </pre>	<pre> for (i = 0; i <= number; i++) { for (j = 0; j <= i; j++) System.out.print (" "); System.out.print ("*"); System.out.println(); } </pre>
G	 <pre> * * * * * * * * * * * * * </pre>	<p>No Assembly or C code provided.</p> <p>Because of this case, you must accept only an odd number between 5 and 9.</p>