

```
----jGRASP exec: java BASIC
1. List all lines of the program:
10 INPUT "What is your name: "; U$
20 PRINT "Hello "; U$
30 INPUT "How many stars do you want: "; N
40 S$ = ""
50 FOR I = 1 TO N
60 S$ = S$ + "*"
70 NEXT I
80 PRINT S$
90 INPUT "Do you want more stars? "; A$
100 IF LEN(A$) = 0 THEN GOTO 90
110 A$ = LEFT$(A$, 1)
120 IF A$ = "Y" OR A$ = "y" THEN GOTO 30
130 PRINT "Goodbye "; U$
140 END

2. List lines 40-80 of the program:
40 S$ = ""
50 FOR I = 1 TO N
60 S$ = S$ + "*"
70 NEXT I
80 PRINT S$

3. Insert line 17 into the program:
Line number 17 successfully added to stack

4. Insert line 34 into the program:
Line number 34 successfully added to stack

5. Insert line 88 into the program:
Line number 88 successfully added to stack

6. List all lines of the program:
10 INPUT "What is your name: "; U$
17
20 PRINT "Hello "; U$
30 INPUT "How many stars do you want: "; N
34
40 S$ = ""
50 FOR I = 1 TO N
60 S$ = S$ + "*"
70 NEXT I
80 PRINT S$
88
90 INPUT "Do you want more stars? "; A$
100 IF LEN(A$) = 0 THEN GOTO 90
110 A$ = LEFT$(A$, 1)
120 IF A$ = "Y" OR A$ = "y" THEN GOTO 30
130 PRINT "Goodbye "; U$
140 END

7. Renumber the program:
Stack successfully renumbered to line 170
```

```

8. List all lines of the program:
10 INPUT "What is your name: "; U$
20
30 PRINT "Hello "; U$
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130 IF LEN(A$) = 0 THEN GOTO 90
140 A$ = LEFT$(A$, 1)
150 IF A$ = "Y" OR A$ = "y" THEN GOTO 30
160 PRINT "Goodbye "; U$
170 END

```

9. Insert line 80 into the program (should not be allowed):
Line number 80 already exists in stack and will not be added

10. Modify line 9 of the program (should not be allowed):
Line number 9 does not exist in stack and cannot not be modified

11. Modify line 10 of the program to line 110 (should not be allowed):
Line number 110 already exists in stack and will not be modified

12. Modify line 10 of the program to line 111:
Line number 10 successfully modified to line 111

```

13. List all lines of the program:
20
30 PRINT "Hello "; U$
40 INPUT "How many stars do you want: "; N
50
60 S$ = ""
70 FOR I = 1 TO N
80 S$ = S$ + "*"
90 NEXT I
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130 IF LEN(A$) = 0 THEN GOTO 90
140 A$ = LEFT$(A$, 1)
150 IF A$ = "Y" OR A$ = "y" THEN GOTO 30
160 PRINT "Goodbye "; U$
170 END
111 INPUT "What is your name: "; U$

```

14. Renumber the program:
Stack successfully renumbered to line 170

```

15. List all lines of the program:
10
20 PRINT "Hello "; U$
30 INPUT "How many stars do you want: "; N
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50 S$ = ""
60 FOR I = 1 TO N
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150 PRINT "Goodbye "; U$
160 END
170 INPUT "What is your name: "; U$

----jGRASP: operation complete.

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Plain text:

1. List all lines of the program:

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Line number 17 successfully added to stack

4. Insert line 34 into the program:

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5. Insert line 88 into the program:

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6. List all lines of the program:

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Stack successfully renumbered to line 170

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