

University of Massachusetts Dartmouth
Department of Electrical and Computer Engineering

ECE 160
Lab #7

Name: stars.cpp
Due: see <http://ece160.org>

Write a program with a series of statements to produce each of the following patterns. Use only the following printf statements:

printf("*"); printf(" "); printf("\n");

Each printf may only appear once in each segment of the program. A sample template of the program appears on the next page. Unlike most other projects, this project is based on the number of patterns you complete. Patterns 1-6 are worth 10 points each (max). Patterns 7-8 are worth 20 points each (max).

1.

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*****
```

2.

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*****
```

3.

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*
```

4.

```
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**
*
```

5.

```
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      ***
      *****
*****
```

6.

```
      *
      ***
      *****
      *****
*****
```

7.

```
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```

8.

```
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*          *
*  *
*
*  *
*  *
*          *
*          *
*****
```

```

#define _CRT_SECURE_NO_DEPRECATE
#include <stdio.h>

void main()
{

    printf("----- Pattern 1\n");

    // code to produce pattern 1
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 2\n");

    // code to produce pattern 2
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 3\n");

    // code to produce pattern 3
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 4\n");

    // code to produce pattern 4
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 5\n");

    // code to produce pattern 5
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 6\n");

    // code to produce pattern 6
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 7\n");

    // code to produce pattern 7
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

    printf("----- Pattern 8\n");

    // code to produce pattern 8
    // printf(" "), printf("*"), and printf("\n")
    // may only appear once in this section

}

```