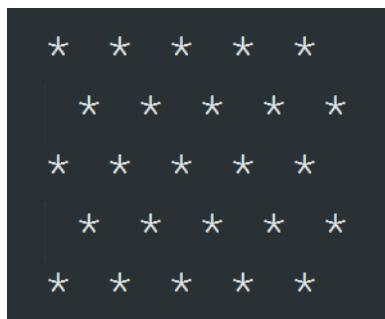# EPC Lab 1 – printf

Question 1: Use only printf to print out the following pictures

```
A
B C
D E F
G H I J
K L M N O
```

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

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

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

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

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

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

```
                  '      '
                   ___
                  (oo)
     +========\/
    /  ||  %%%  ||
 *      ||-----||
        ▼▼        ▼▼
```
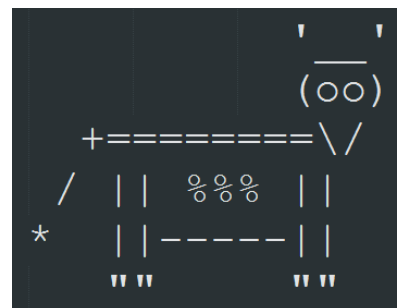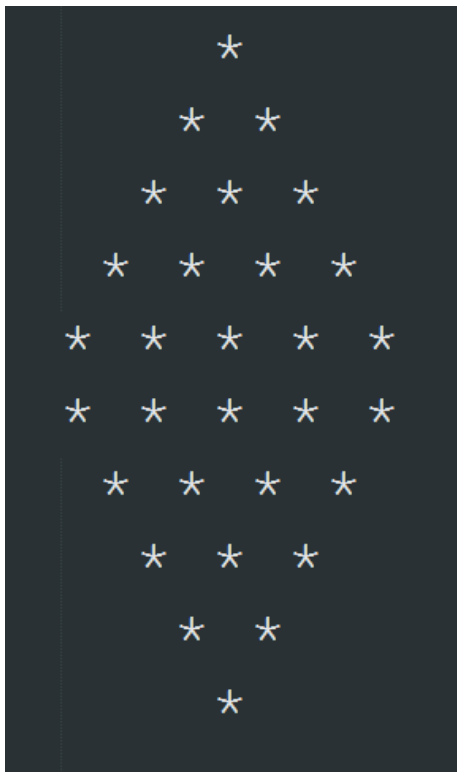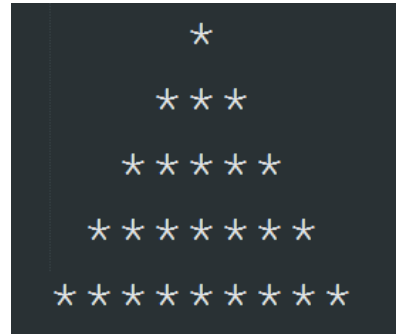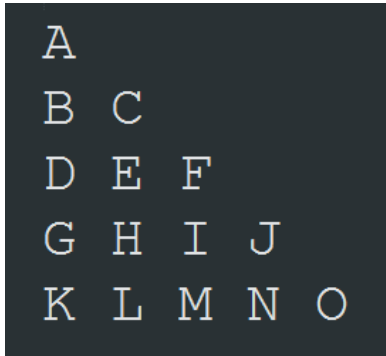
2. Create a new file **io.c**   . Write C statement(s) in **io.c** which produces the following output (You may edit the same file **io.c** for each case by commenting the previous statement(s)).

   a. Good day!

   b. Good /\ day!

   c. He shared his "wisdom" with me

   d. Hello
      world!   (using a single **printf** statement)

   e. Hello
      world!   (using a single **printf** statement that has no blank space)

   f. How   are   you?
      I   am   OK.

   g. How   are   you?
      I   am   OK.   (using two **printf** statements which have no blank spaces)

   h. How   are   you?
      I   am   OK.   (using a single **printf** statement that has no blank space)

   i. Something has gone crazy   (with a beep sound)

   j. Bank interest is 10% in the year 2001.