

Python Patterns

1. Hollow Diamond Pattern (n=5)

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

2. Filled Diamond Pattern (n=5)

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

3. Butterfly Pattern (n=5)

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