Assignment No.7

#h.

```python
for i in range(1,6):
    for j in range(1,i+1):
        print(j,end=' ')
    for j in range(1,6-i):
        print(" ",end=' ')
    for j in range(1,5-i):
        print(" ",end=' ')
    for j in range(i,0,-1):
        if(j != 5 ):
            print(j,end=' ')
    print()
```

#f.

```python
for i in range(1,6):
    for j in range(i,6):
        if(i==1 or j==5 or i==j ):
            print(j,end=' ')
        else:
            print(" ",end=' ')
    print()
```

#e.

```python
for i in range(6):
    print(' '*(6-i),end=' ')
    for j in range(1,i+1):
        if (j == 1 or j == i or i == 5):
            print(j, end=' ')
        else:
```

```python
        print(' ', end=' ')
    print()
```

#c.
```python
for i in range(1,6):
    for j in range(1,i+1):
        if(i==5 or i==1 or j==i or j==1):
            print(j,end=' ')
        else:
            print(" ",end=' ')
    print()
```

#g.
```python
for i in range(1, 5 + 1):
    print(' ' * (5 - i), end='')
    for j in range(1, i + 1):
        print(j, end=' ')
    for j in range(i - 1, 0, -1):
        print(j, end=' ')
    print()
```

#b.
```python
for i in range(1, 9 + 1):
    if i <= 5:
        for j in range(i):
            print("*", end=" ")
    else:
        for j in range(9 - i + 1):
            print("*", end=" ")
    print()
```

```python
#d
for i in range(1,5 + 1):
    print(' '*(5 - i), end=' ')
    for j in range(i, i * 2):
        print(j, end=' ')
    for j in range(i * 2 - 2, i - 1, -1):
        print(j, end=' ')
    print()
```

```python
#a.
for i in range(1, 5 + 1):
    print(" " * (5 - i), end="")
    print("*", end="")
    if i > 1:
        print(" " * (2 * i - 3), end="")
        print("*")
    else:
        print()
for i in range(5 - 1, 0, -1):
    print(" " * (5 - i), end="")
    print("*", end="")
    if i > 1:
        print(" " * (2 * i - 3), end="")
        print("*")
    else:
        print()
```