WRITE PYTHON PROGRAMING:

### **Separately , Using nested for, while looping structure for the following programs:**

### **1. Display the pattern**

(a)

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

(b)

55555

4444

333

22

1

(c)

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

……. n Where ‘n’ from keyboard input.

(d)

……..n Where ‘n’ from keyboard input.

55555

4444

333

22

1

(e)

1

2 2

3 3 3

4 4 4 4

55555

4444

333

22

1

(f)

1

2 2

3 3 3

4 4 4 4

55555

Nnnnnn..nnn Where ‘n’ from keyboard input.

4444

333

22

1

### **2. Display the Pattern**

(a)

5

5 4

5 4 3

5 4 3 2

5 4 3 2 1

(b)

5 4 3 2 1

5 4 3 2

5 4 3

5 4

5

(c)

….n

5

5 4

5 4 3

5 4 3 2

5 4 3 2 1

Where ‘n’ from keyboard input.

(d)

5 4 3 2 1

5 4 3 2

5 4 3

5 4

5

…n

Where ‘n’ from keyboard input.

(f)

5

5 4

5 4 3

5 4 3 2

5 4 3 2 1

5 4 3 2

5 4 3

5 4

5

### **3. Right Triangle Numeric Pattern**

(a)

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

(b)

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1

(c)

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1

### **4. Binary Number Pattern**

10101

01010

10101

01010

10101

### **5. Zeros/ ones Pattern Programs**

1

10

101

1010

10101