

## **Day 10**

### **Lab Assignments**

1. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

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

**Input:** Enter the number of rows: 4

**Output:** \* \* \* \*  
\* \* \* \*  
\* \* \* \*  
\* \* \* \*

2. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

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

**Input:** Enter the number of rows: 4

**Output:** \*  
\* \*  
\* \* \*  
\* \* \* \*

3. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

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

**Input:** Enter the number of rows: 4

**Output:** \*  
\* \*  
\* \* \*  
\* \* \* \*

4. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

```
1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
```

**Input:** Enter the number of rows: 4

**Output:** 1 1 1 1  
2 2 2 2  
3 3 3 3  
4 4 4 4

5. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

1

2 2  
3 3 3  
4 4 4 4

**Input:** Enter the number of rows: 4

**Output:** 1  
2 2  
3 3 3  
4 4 4 4

6. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

A  
B A  
A B C  
D C B A

**Input:** Enter the number of rows: 4

**Output:** A  
B A  
A B C  
D C B A

### Home Assignments

1. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

\*  
\* \*  
\* \* \*  
\* \* \* \*

**Input:** Enter the number of rows: 4

**Output:** \*  
\* \*  
\* \* \*  
\* \* \* \*

2. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

1  
1 2  
1 2 3  
1 2 3 4

**Input:** Enter the number of rows: 4

**Output:** 1  
1 2  
1 2 3  
1 2 3 4

3. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

\* \* \* \*  
\* \* \*  
\* \*  
\*

**Input:** Enter the number of rows: 4

**Output:** \* \* \* \*  
\* \* \*  
\* \*  
\*

4. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

1  
2 1  
1 2 3  
4 3 2 1

**Input:** Enter the number of rows: 4

**Output:** 1  
2 1  
1 2 3  
4 3 2 1

5. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

1  
0 1  
1 0 1  
0 1 0 1

**Input:** Enter the number of rows: 4

**Output:** 1  
0 1  
1 0 1  
0 1 0 1

6. WAP to print the following pattern. The number of rows will be inputted from the keyboard.

1  
1 2 1  
1 2 3 2 1  
1 2 3 4 3 2 1

**Input:** Enter the number of rows: 4

**Output:** 1  
1 2 1  
1 2 3 2 1  
1 2 3 4 3 2 1

### **Book Exercises**

1. WAP to print a square of size 5 by using character 'S' as shown below: [Page No: 208, Exercise 7.13(a)]

**Output:** S S S S S  
S S S S S  
S S S S S  
S S S S S  
S S S S S

2. WAP to print a square of size 5 by using character 'S' as shown below: [Page No: 208, Exercise 7.13(b)]

**Output:** S S S S S

```

      S           S
      S           S
      S           S
      S   S   S   S   S

```

3. WAP to display the following pattern: [Page No: 210, Exercise 7.18]

**Output:**

```

              1
              A           B
              2           3           4
              C           D           E           F
      5           6           7           8           9

```