

## 2. Histogram

**Problem:** In an organization, the employees are grouped according to their basic pay for the purpose of certain perks. The pay-range and the number of employees in each group are as follows:

Group	Pay-Range	Number of Employees
1	750 – 1500	12
2	1501 – 3000	23
3	3001 – 4500	35
4	4501 – 6000	20
5	above 6000	11

Draw a histogram to highlight the group sizes.

**Problem Analysis:** Given the size of groups, it is required to draw bars representing the sizes of various groups. For each bar, its group number and size are to be written.

Program in Fig. 6.17 reads the number of employees belonging to each group and draws a histogram. The program uses four **for** loops and two **if.....else** statements.



## Output

Enter employees in Group - 1 : 12

12

Enter employees in Group - 2 : 23

23

Enter employees in Group - 3 : 35

35

Enter employees in Group - 4 : 20

20

Enter Employees in Group - 5 : 11

11

```
|
| *****
Group-1 | ***** (12)
| *****
|
| *****
Group-2 | ***** (23)
| *****
|
| *****
Group-3 | ***** (35)
| *****
|
| *****
Group-4 | ***** (20)
| *****
|
| *****
Group-5 | ***** (11)
| *****
|
```

Nested For Loop:

