## Lab-7 screenshots

## Output-1:

```
Array after reshaping:
 [[1 2 3 4 5]
 [678910]
 [11 12 13 14 15]]
Elements at row 2: [11 12 13 14 15]
Elements at column 4: [ 5 10 15]
Elements at rows 0 and 1: [[ 1 2 3 4 5]
[678910]]
Elements at columns 2-4: [[ 3 4 5]
 [8 9 10]
 [13 14 15]]
Element at row 1 and column 4: 10
Elements at row 1 and 2 that are in column 0: [ 6 11]
Elements at row 1 and 2 that are in column 2:
                                           [ 8 13]
Elements at row 1 and 2 that are in column 4: [10 15]
```

## Output-2:

]] ]	15. 15.	50. 50.	50. 50.		207. 197.	1442. 1322.	94.1868 ] 86.34879]
[	15.	50.	50.	• • •	210.	1510.	98.62834]
[	15.	50.	50.		200.	1374.	89.74526]
[	15.	50.	50.		195.	1287.	84.0627 ]
[	15.	50.	50.		210.	1490.	97.32201]]

Number of students: 33

Number of rows: 33 Number of columns: 32 Array data type: float64

Descriptive statistics of students Minimum score: 29.65382 Maximum score: 99.86936 Mean score: 87.66996787878789

Median score: 92.88047

Standard deviation: 15.553686425410683 25 Percentile: 87.1979 75 Percentile: 96.73416

Number of students achieved in each grade category

21 A

8 B

1 C

1 D

2 F

## Student Performance Pie Chart

