

lab2_q1

```
pallindrome X
C:\Users\HP\AppData\Local\Programs\Python\Python39\python.exe
Enter elements separated by commas : 121,5678,08,456
[121, 5678765, 80, 45654]
```

lab2_q1

```
email (1) X
C:\Users\HP\AppData\Local\Programs\Python\Python39\python.exe C:/Users/HP/Desktop/PycharmProjects/email.py
Enter the email : gulnayak@yahoo.co.in
valid
Process finished with exit code 0
```

lab2_q3

```
Number of applicants : 200
Number of applicants using 2D matrix: 200
Number of selected applicants using map(): 10
Number of selected applicants using filter(): 10
Sno : 0
Math : 1
CS : 2
GK : 3
Prog : 4
Comm : 5
Sel : 6
tmarks : 7
Total students appeared in Math : 91
In top 20% Math : 23
In bottom 40% Math : 36
Total students appeared in CS : 57
In top 20% CS : 10
In bottom 40% CS : 27
Total students appeared in GK : 72
In top 20% GK : 13
In bottom 40% GK : 40
Total students appeared in Prog : 123
In top 20% Prog : 34
In bottom 40% Prog : 15
Total students appeared in Comm : 72
In top 20% Comm : 13
In bottom 40% Comm : 30
correlation between total marks and final selection : 0.47611
```