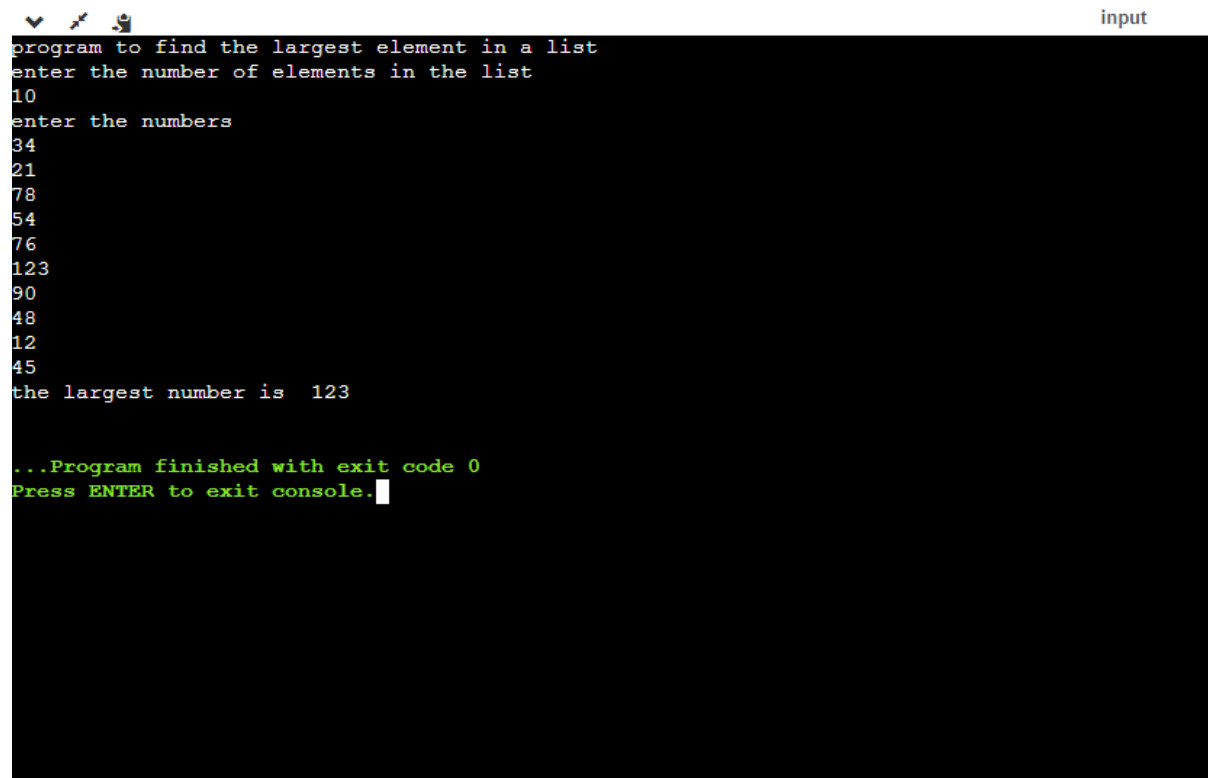


Screenshots of OOP lab-1

1.Find the largest number in a list

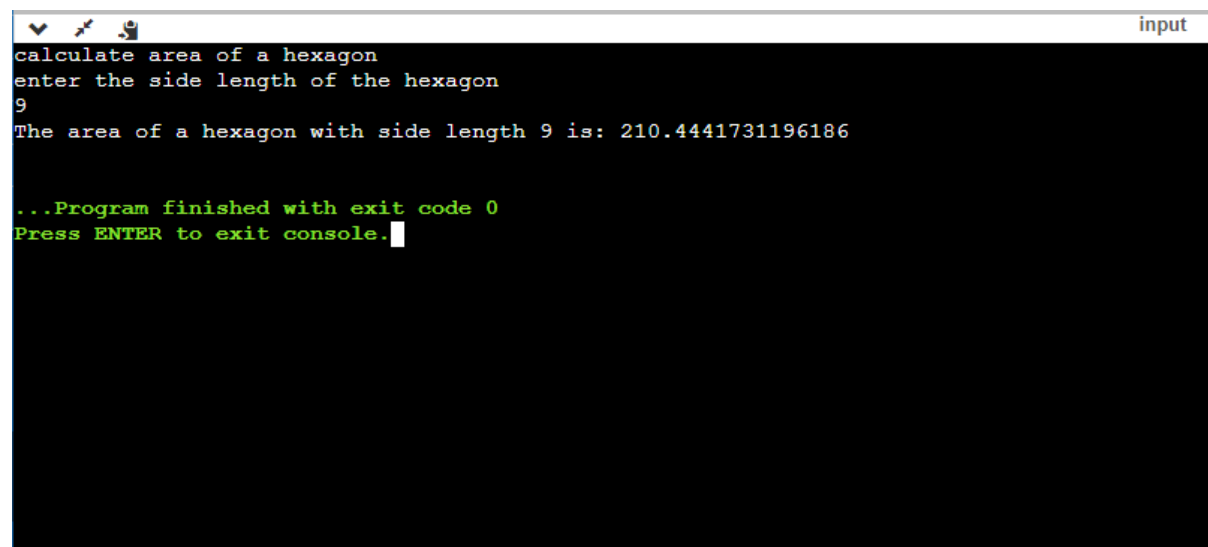


A screenshot of a C++ program running in a terminal window. The program prompts the user to enter the number of elements in a list, followed by the elements themselves. It then outputs the largest number from the list. The terminal window has a title bar with standard icons and the word 'input' on the right. The output shows the largest number is 123.

```
program to find the largest element in a list
enter the number of elements in the list
10
enter the numbers
34
21
78
54
76
123
90
48
12
45
the largest number is 123

...Program finished with exit code 0
Press ENTER to exit console.
```

2.Find the area of a hexagon



A screenshot of a C++ program running in a terminal window. The program prompts the user to enter the side length of a hexagon and then outputs the calculated area. The terminal window has a title bar with standard icons and the word 'input' on the right. The output shows the area of a hexagon with side length 9 is 210.4441731196186.

```
calculate area of a hexagon
enter the side length of the hexagon
9
The area of a hexagon with side length 9 is: 210.4441731196186

...Program finished with exit code 0
Press ENTER to exit console.
```

3. Check if an email address is valid

```
input
Enter the email address
neha28@gmail.com
Valid email

...Program finished with exit code 0
Press ENTER to exit console.
```

```
input
Enter the email address
nehagmail.com
Invalid email

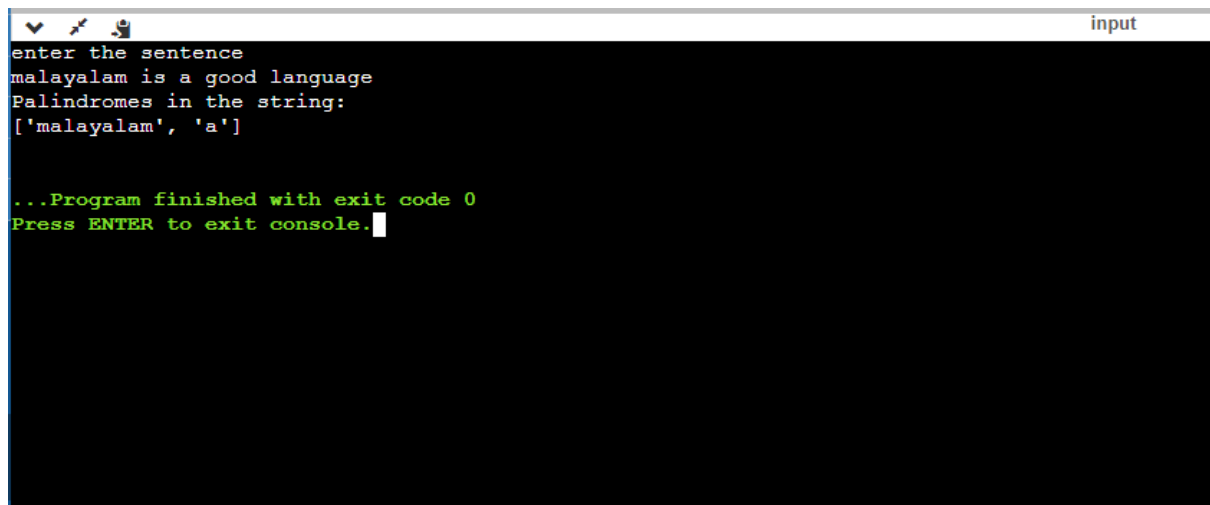
...Program finished with exit code 0
Press ENTER to exit console.
```

4. Encrypt and decrypt a message

```
input
Encrypted: GRX Htqqjlj tk Jslnsjjwnsl
Decrypted: BMS College of Engineering

...Program finished with exit code 0
Press ENTER to exit console.█
```

5. Get all palindromes in a string



```
input
enter the sentence
malayalam is a good language
Palindromes in the string:
['malayalam', 'a']

...Program finished with exit code 0
Press ENTER to exit console.
```