

Your answers:

Q-1	Q-2	Q-3	Q-4	Q-5	Q-6	Q-7	Q-8	Q-9	Q-10
D	B	E	D	D	C	D	A	C	A

lab3 > 1.py

```
1 print(5%3);
2 print(4%2);
3 print(7%15);
4 print(29%10);
5 print(4%16);
6 print(12%6)
```

```
• /opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab3/1.py
2
0
7
9
4
0
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3 num = int(input("How many numbers do you want to enter? "))
4 print("Enter the numbers: ")
5 numbers = []
6 for i in range(num):
7     numbers.append(int(input()))
8 print("The numbers are: ", numbers)
9
10 # a) The sum of the numbers
11 print("The sum of the numbers is: ", sum(numbers))
12
13 # b) The average of the numbers
14 print("The average of the numbers is: ", sum(numbers)/len(numbers))
15
16 # c) The largest and smallest values
17 print("The largest value is: ", max(numbers))
18 print("The smallest value is: ", min(numbers))
19
20 # d) The range of the numbers (the difference between the largest and smallest value)
21 print("The range of the numbers is: ", max(numbers)-min(numbers))
```

```
● /opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab3/2.py
How many numbers do you want to enter? 3
Enter the numbers:
10
2
24
The numbers are: [10, 2, 24]
The sum of the numbers is: 36
The average of the numbers is: 12.0
The largest value is: 24
The smallest value is: 2
The range of the numbers is: 22
```

```
1  accountTotal = 50;
2
3  while accountTotal >= 20:
4      accountTotal = accountTotal - 1
5      print(accountTotal)
6
7  print("Your account has reached $20")
8
```

```
● /opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab3/3.py
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```
Your account has reached $20
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