Q1.

l1 = [12, 3, 4, 5, 642, 245, 4, "shshs"]

print(len(l1))

Q2:

l1 = [12, 3, 4, 5, 642, 245, 4, "shshs"]

if len(l1) % 2 == 0:

    print("List is even")

else:

    print("list is odd")

Q3:

l1 = [12, 3, 4, 5, 62, 245, 4, "shshs"]

sum = 0

for i in range(0, len(l1) - 1):

    if l1[i] % 3 == 0:

        sum = sum + l1[i]

print(f"sum is {sum}")

Q4:

l1 = [12, 3, 4, 0, -12, -23]

count\_even = 0

count\_odd = 0

for i in range(0, len(l1)):

    if l1[i] >= 0:

        count\_even = count\_even + 1

    elif l1[i] < 0:

        count\_odd = count\_odd + 1

print(f"positive no={count\_even}")

print(f"negative no={count\_odd}")

Q5:

l = [1, 3, 4, 5, 68, 89]

l = l[::-1]

print(l)

Q6:

my\_list = [45, 12, 59, 60, 47, 3412, 3111]

for i in range(0, len(my\_list)):

    if i % 2 == 0:

        print(my\_list[i], end=" ")