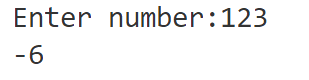
**FOR AND WHILE**

1. Subtract number from user input using **for loop**



number ="123"

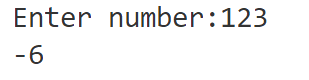
n=0

for i in range(len(number)):

    n  += int(number[i])

print(-n)

1. Subtract number from user input using **while loop**



number ="123"

i = 0

sum = 0

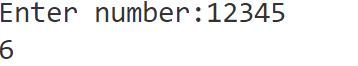
while i < len(number):

    sum += int(number[i])

    i +=1

print(-sum)

1. Sum even number from user input using **for loop**



number = "12345"

n=0

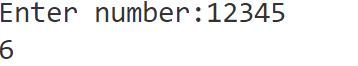
for i in range(len(number)):

    if int(number[i]) %2 ==0:

        n += int(number[i])

print(n)

1. Sum even number from user input using **while loop**



number = "1234"

i = 0

sum =0

while i < len(number):

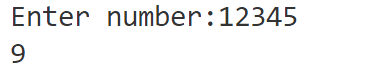
    if int(number[i]) % 2 ==0:

        sum += int(number[i])

    i +=1

print(sum)

1. Sum odd number from user input using **for loop**



number ="12345"

count =0

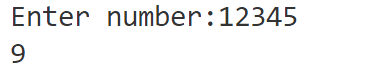
for i in range(len(number)):

    if int(number[i]) %2!=0:

        count += int(number[i])

print(count)

1. Sum odd number from user input using **while loop**



number ="12345"

sum =0

result =0

while sum < len(number):

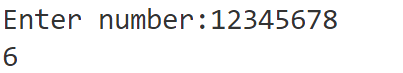
    if int(number[sum])%2 !=0:

        result +=int(number[sum])

    sum +=1

print(result)

1. Sum even number are smaller than 5 from user input using **for loop**



number ="12345678"

result =0

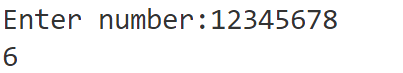
for i in range(len(number)):

    if int(number[i]) % 2 ==0 and int(number[i]) <6:

        result += int(number[i])

print(result)

1. Sum even number are smaller than 5 from user input using **while loop**



number ="12345678"

result = 0

sum =0

while result < len(number):

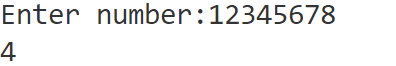
    if int(number[result]) % 2 ==0 and int(number[result])<6:

        sum += int(number[result])

    result += 1

print(sum)

1. Sum odd number are smaller than 5 from user input using **for loop**



number = "12345678"

result = 0

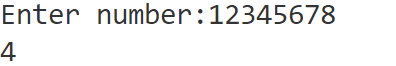
for i in range(len(number)):

    if int(number[i]) % 2 !=0 and int(number[i]) <5:

        result += int(number[i])

print(result)

1. Sum odd number are smaller than 5 from user input using **while loop**



number = "12345678"

result =0

sum = 0

while result < len(number):

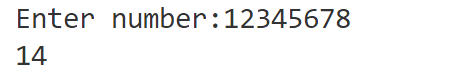
    if int(number[result]) % 2 !=0 and int(number[result])<5:

        sum += int(number[result])

    result +=1

print(sum)

1. Sum even number are greater than 5 from user input using **for loop**



number ="12345678"

result =0

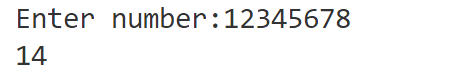
for i in range(len(number)):

    if int(number[i]) % 2 ==0 and int(number[i])>5:

        result += int(number[i])

print(result)

1. Sum even number are greater than 5 from user input using **while loop**



number = "12345678"

result =0

sum =0

while result < len(number):

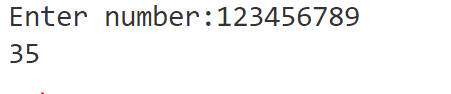
    if int(number[result]) %2 ==0 and int(number[result])>5:

        sum += int(number[result])

    result +=1

print(sum)

1. Sum number between 5 and 9 from user input using **for loop**



number = "123456789"

result =0

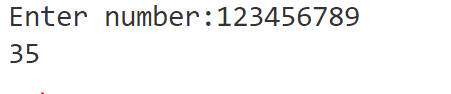
for i in range(len(number)):

    if int(number[i]) >=5 and int(number[i])<=9:

        result += int(number[i])

print(result)

1. Sum number between 5 and 9 from user input using **while loop**



number ="123456789"

result = 0

sum =0

while result <len(number):

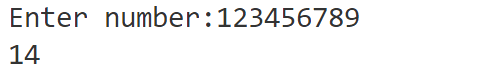
    if int(number[result]) >=5 and int(number[result])<=9:

        sum += int(number[result])

    result +=1

print(sum)

1. Sum even number between 5 and 9 from user input using **for loop**



number = "123456789"

result =0

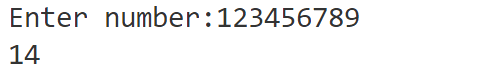
for i in range(len(number)):

    if int(number[i]) %2 == 0 and int(number[i]) >=5 and int(number[i]) <= 9:

        result += int(number[i])

print(result)

1. Sum even number between 5 and 9 from user input using **while loop**



number ="123456789"

result =0

sum =0

while result <len(number):

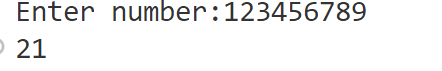
    if int(number[result]) %2 ==0 and int(number[result]) >=5 and int(number[result]) <=9:

        sum += int(number[result])

    result += 1

print(sum)

1. Sum odd number between 5 and 9 from user input using **for loop**



number ="123456789"

result = 0

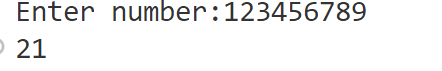
for i in range(len(number)):

    if int(number[i])%2 !=0 and int(number[i])>=5 and int(number[i])<=9:

        result += int(number[i])

print(result)

1. Sum odd number between 5 and 9 from user input using **while loop**



number = "123456789"

result = 0

sum =0

while result<len(number):

    if int(number[result])%2 !=0 and int(number[result])>=5 and int(number[result])<=9:

        sum += int(number[result])

    result +=1

print(sum)