For that exercise import the project placed in
{home_lectures}/lectures_and_materials/java_module_4/exercises

Open class Shots

1. Write a while-do cycle by the time the user enters a valid whole number greater than 0
if user enters a number less than 0, then print a message to the user inviting him/her to enter
a number greater than 0

2. Write a program to calculate the sum of following series
1 + 1/2 + 1/3 + 1/4 + 1/5 +…………1/n

3. Write a program to sum the number between 1 and n and calculate the average of all
numbers
Let's print the result - th sum and the average
There should be a check if n is greater than 0

4. Sum all digits in a number n passed
E.g. if n is 782 then the function should print 7 + 8 + 2 = 17
Hint: taking the last digit from a number you can use lastDigit = n % 10; (e.g. for 676 it will take
6)
You need to take the reminder of the number n and take all other digits as well
In order to take the left digits of a number u need to use n = n / 10; (e.g. for 676 it will take 67)
use a while loop for taking of all digits and sum them