**Міністерство освіти і науки України**

**Тернопільський національний технічний університет ім. Івана Пулюя**

Факультет інформаційних систем та програмної інжинерії

Кафедра кібербезпеки

**ЗВІТ**

до лабораторної роботи № 8

з дисципліни «Програмування мовою JAVA»

на тему:

**Використання JAVA для створення мережевих програм**

Виконав студент групи СБ-21

Антонов Роман Олександрович

Перевірив:

Луцків Андрій Мирославович

Тернопіль, 2024

Посилання на репозиторій:

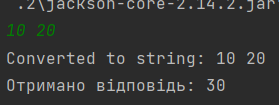
<https://github.com/rom341/JavaLabsTNTU>

(Лістинги програм дуже об`ємні, тому для економії місця надам скріни тільки виконання програм. Усі лістинги є в репозиторії)

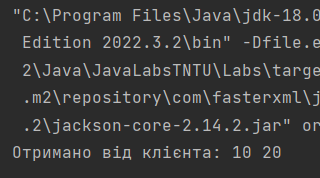
Результат програми:

1. здійснює з'єднання на основі UDP-протоколу; клієнт надсилає 2 числа введених з клавіатури, а сервер їх додає і повертає результат;

Клієнт:



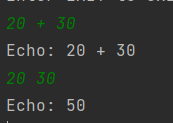
Сервер



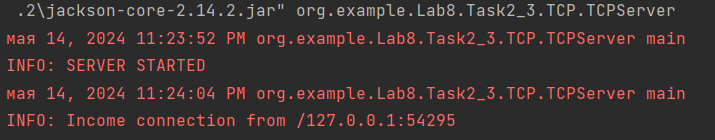
1. - здійснює з'єднання на основі TCP-протоколу; клієнт надсилає 2 числа введених з клавіатури, а сервер їх додає і повертає результат;

- працює як чат (пересилає текстові стрічки від клієнта до сервера і навпаки);

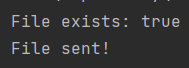
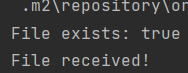
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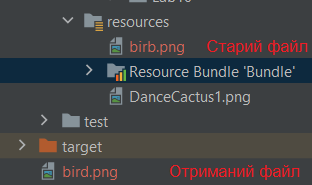


Сервер



1. копіює файл з клієнтської машини на машину сервер;  
     
   результат:  
   клієнт:

  
  
Сервер:  




4)

- Програма яка демонструє роботу по протоколу HTTP (демонстрація роботи з відповідними класами JAVA API);

- Отримати дані про курси валют від НБУ на сьогодні (створити класи-сутності, які б описували валюти)

- Отримати дані про погоду на сьгодні і відобразити у доступному для перегляді вигляді (створити класи-сутності, які б описували погоду)

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