

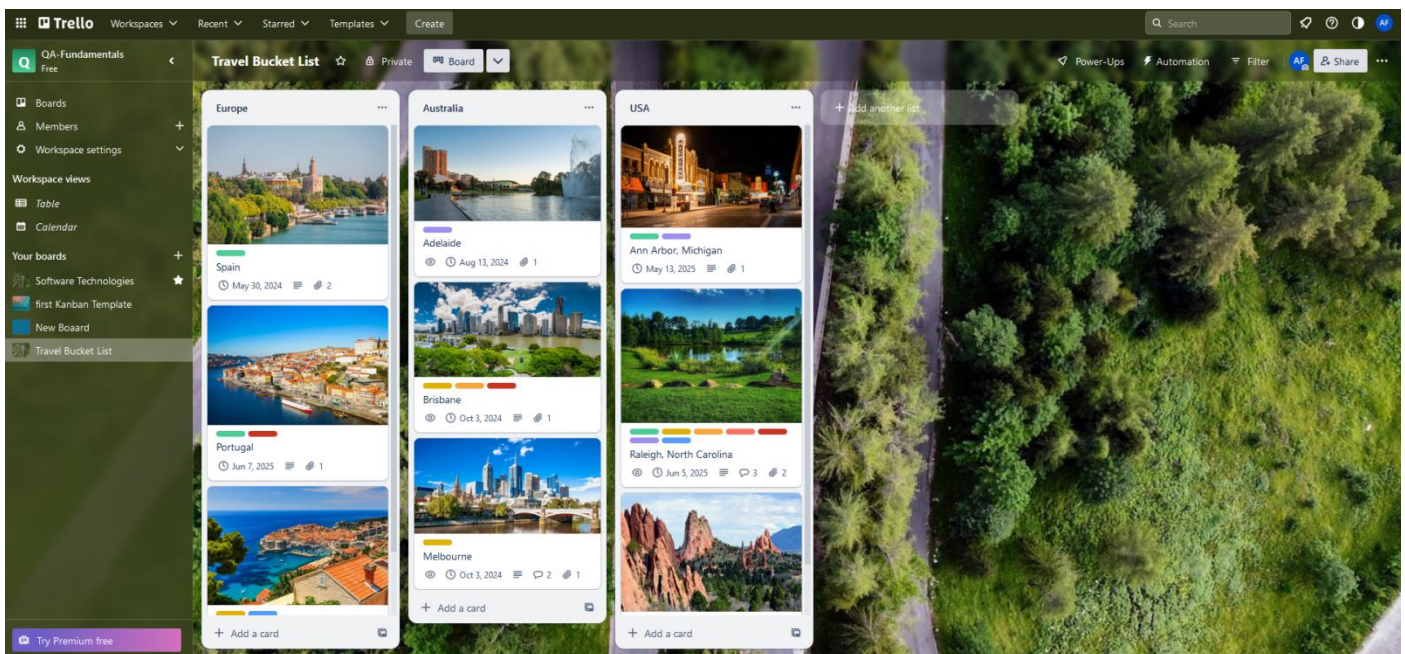
Homework: Computer Systems and Software – Trello

Problems for homework for the ["Software Technologies" course @ Software University.](#)

Submit this document as your homework.

1. Travel Bucket List

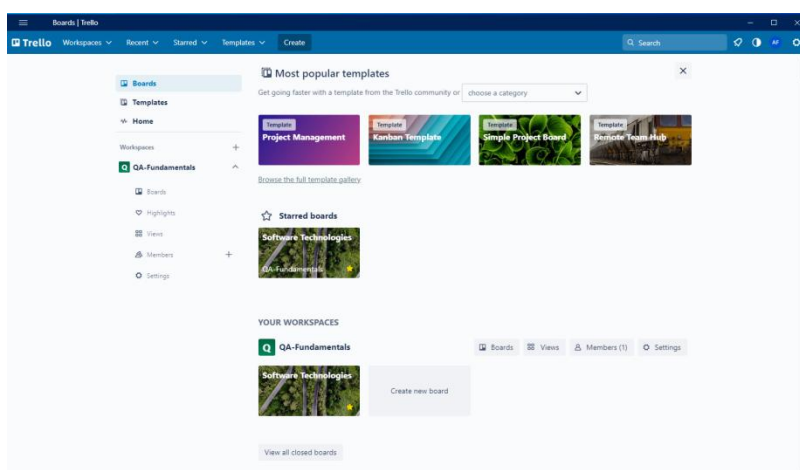
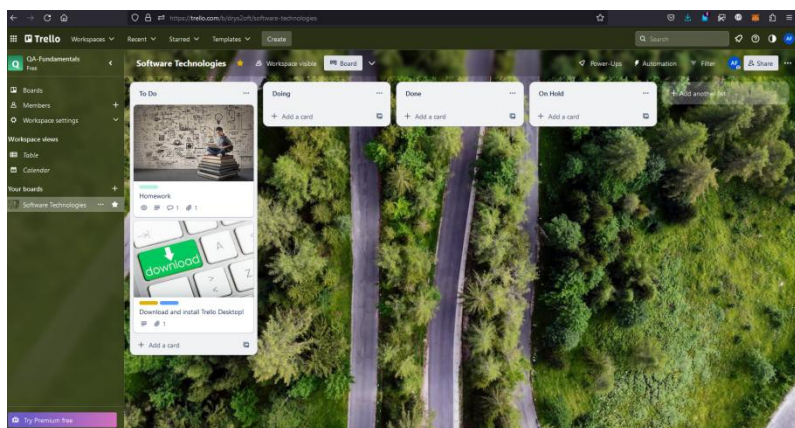
1. Create a **new board** named "Travel Bucket List". Do not use templates.
2. Add a **list** for each continent that you want to visit. /Example: Europe, Australia/
3. Add **three cards** for each continent list. Each card representing a **country or location** you want to visit. /Example: List Europe – cards – Paris, Italy, Fishing village in Portugal/.
4. Use the **label** feature to categorize the destinations by type (beach, adventure, culture, hobby etc.).
5. Use the **description** feature to add any must-see attractions and or activities.
6. Add **due dates** for each destination you want to visit in the next five years.
7. Delete the example photo, take a **screenshot of your board** and add it instead.

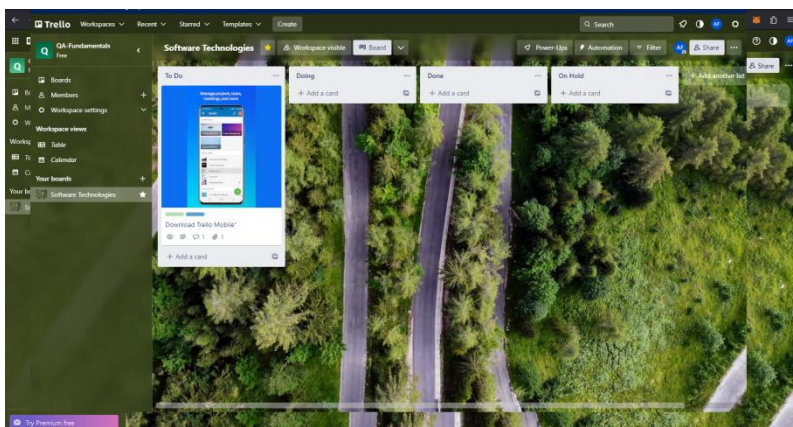
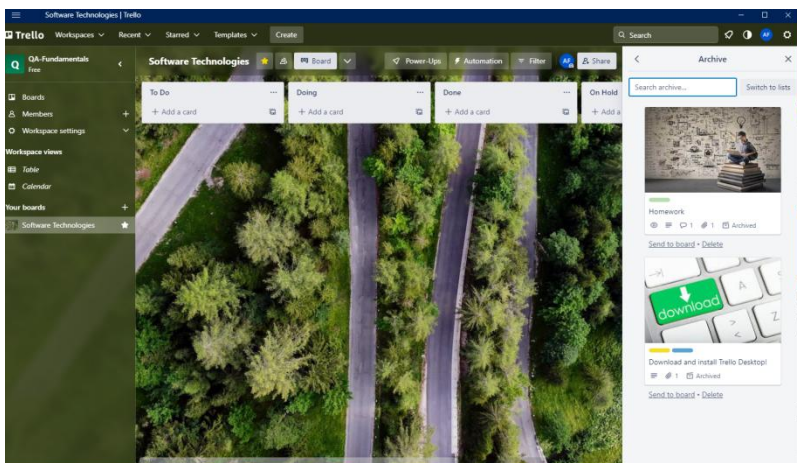
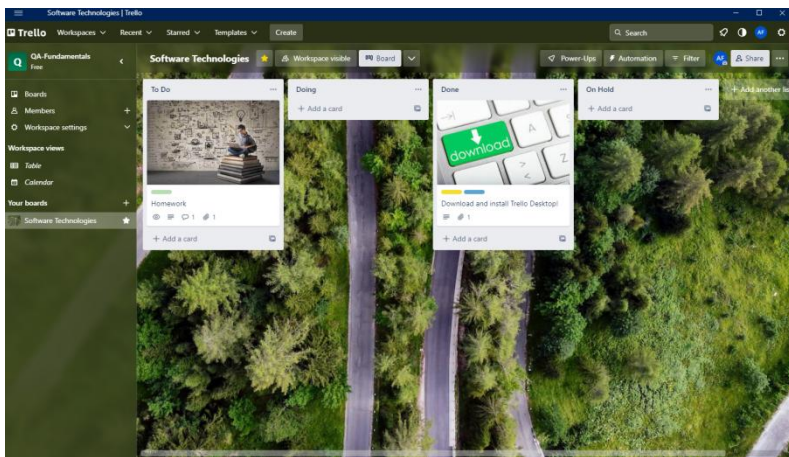
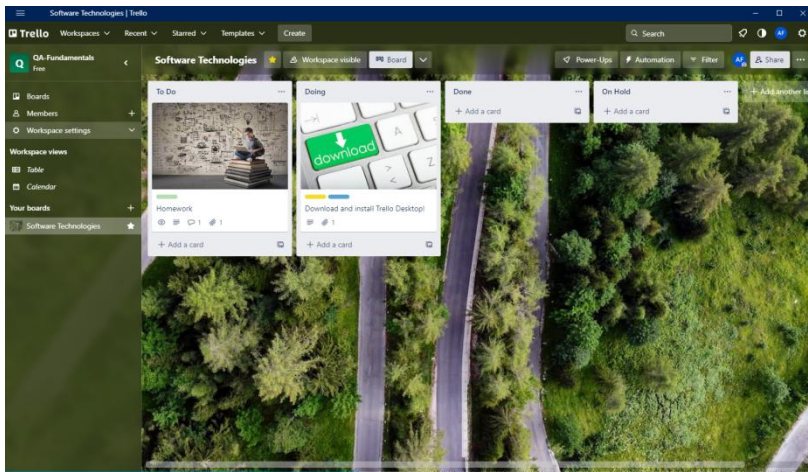


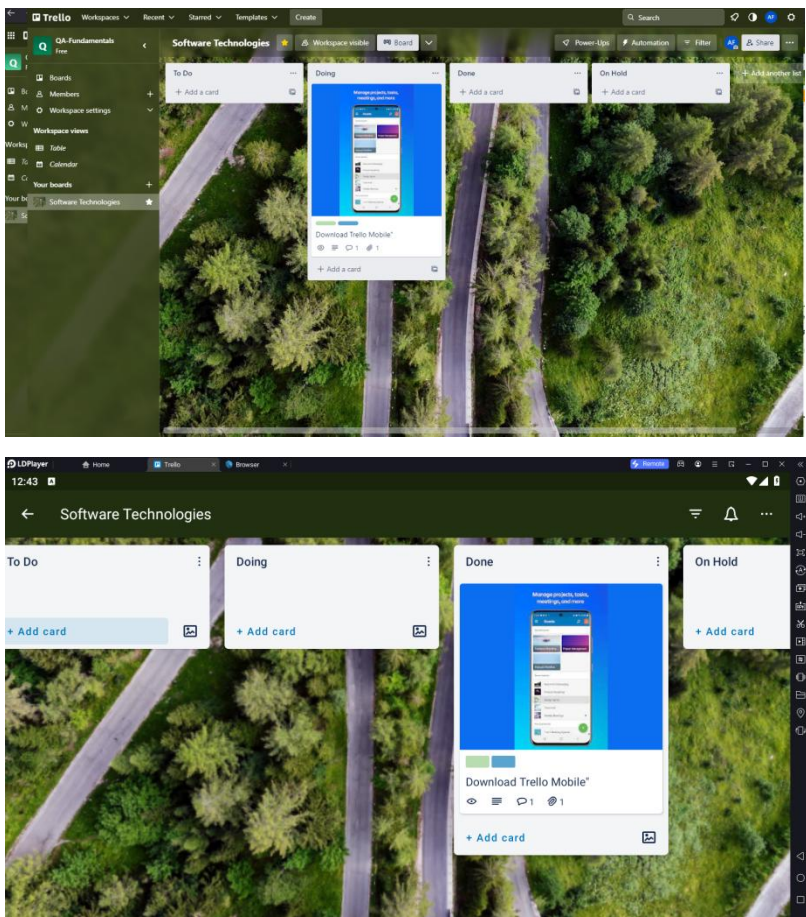
8. Delete the example photo, take a screenshot of **one of your cards**, and add it instead.

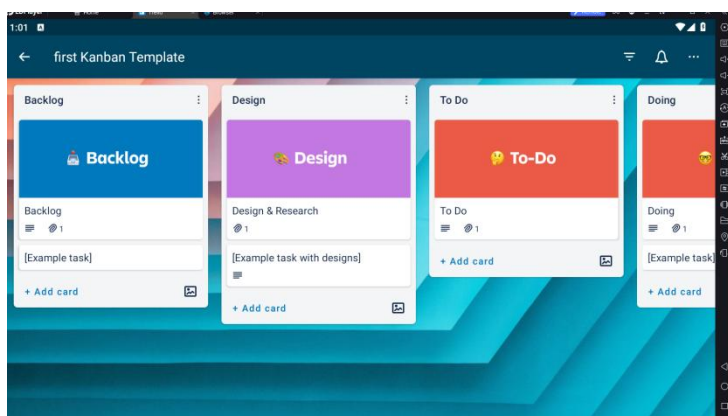
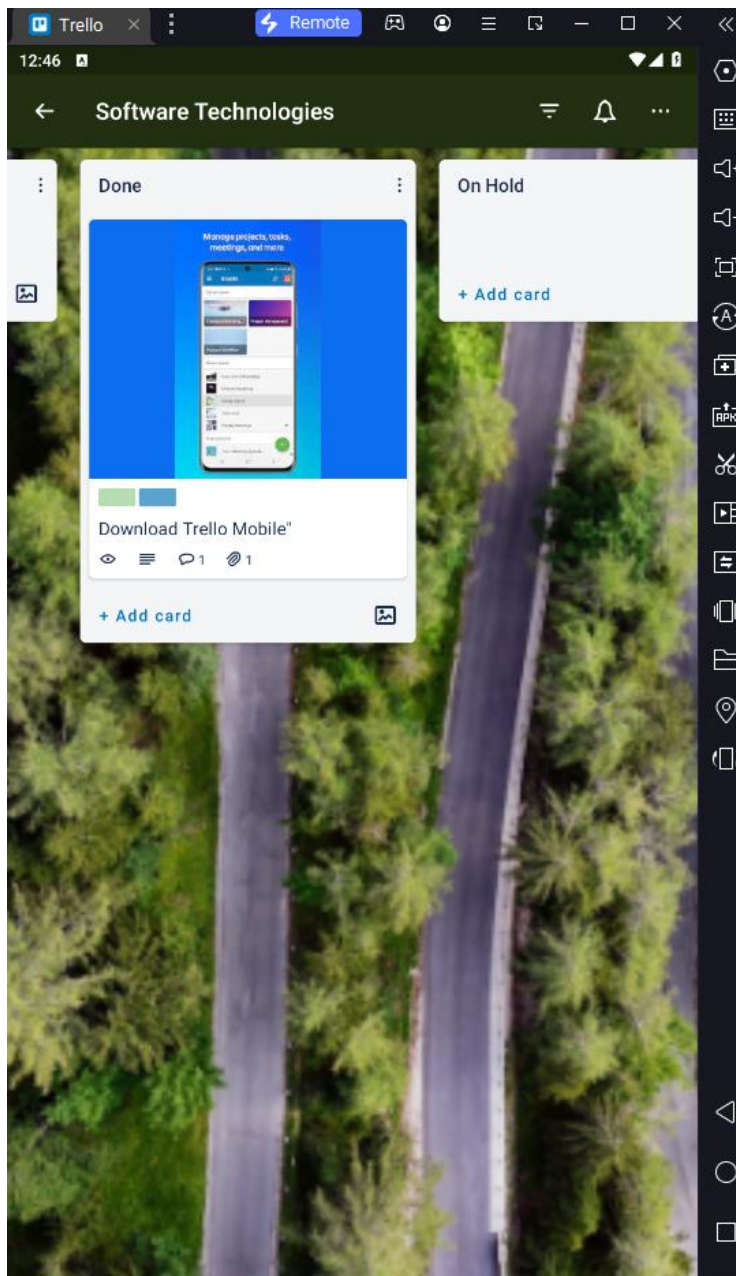
2. Manage your Daily Tasks

1. Create a new board named "Daily To-Do List"
2. Add a list for each category of tasks (work, personal, school, etc.)
3. Add a "Today" list for your daily tasks
4. Add cards to each list with the tasks you need to complete
5. Use the label feature to categorize the tasks by priority (high, medium, low)
6. Use the due date feature to set deadlines for each task
7. Move tasks from the category lists to the "Today" list to focus on what needs to be done
8. Use Trello's mobile app to access your to-do list on the go and check off tasks as you complete them
9. Take a screenshot of your board with the lists that you created and add it here.
10. Take a screenshot of one of your cards that you already completed and add it here.









COMPUTER-SYSTEMS-AND-SOFTWARE-ADVANCED

01. Exercise: Computer Systems and Software - .NET 6.0

```

C:\WINDOWS\system32\cmd.exe - dotnet run
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.

C:\Users\GordenL>dotnet sdk check
.NET SDKs:
Version      Status
-----
6.0.408      Up to date.

Try out the newest .NET SDK features with .NET 8.0.100-preview.3.23178.7.

.NET Runtimes:
Name          Version      Status
-----
Microsoft.AspNetCore.App      6.0.16      Up to date.
Microsoft.NETCore.App          6.0.16      Up to date.
Microsoft.WindowsDesktop.App   6.0.16      Up to date.

The latest versions of .NET can be installed from https://aka.ms/dotnet-core-download. For more information about .NET lifecycles, see https://aka.ms/dotnet-core-support.

C:\Users\GordenL>dir
Volume in drive C has no label.
Volume Serial Number is 1291-84B1

Directory of C:\Users\GordenL

13.05.2023 r. 01:57 <DIR>      .
13.05.2023 r. 01:57 <DIR>      ..
13.05.2023 r. 02:21 <DIR>      .dotnet
13.05.2023 r. 00:37 <DIR>      .ld9VirtualBox
23.06.2020 r. 22:00 <DIR>      3D Objects
23.06.2020 r. 22:00 <DIR>      Contacts
13.05.2023 r. 10:33 <DIR>      Desktop
12.05.2023 r. 23:28 <DIR>      Documents
13.05.2023 r. 01:56 <DIR>      Downloads
23.06.2020 r. 22:00 <DIR>      Favorites
23.06.2020 r. 22:00 <DIR>      Links
23.06.2020 r. 22:00 <DIR>      Music
13.05.2023 r. 10:29 <DIR>      OneDrive
23.06.2020 r. 22:00 <DIR>      Pictures
23.06.2020 r. 22:00 <DIR>      Saved Games
23.06.2020 r. 22:00 <DIR>      Searches
23.06.2020 r. 22:00 <DIR>      Videos
0 File(s)      0 bytes
17 Dir(s)      14 232 231 936 bytes free

```

```

Directory of F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23

13.05.2023 r. 10:37 <DIR>      .
13.05.2023 r. 10:37 <DIR>      ..
13.05.2023 r. 10:33 <DIR>      02.Computer-Systems-and-Software-Advanced-Exercises-PDF
12.05.2023 r. 21:08      2 104 014 02.Computer-Systems-and-Software-Exercise.pdf
13.05.2023 r. 01:46      15 794 820 Computer-Systems-and-Software-Homework Yordan_Grozdev.docx
13.05.2023 r. 10:39 <DIR>      SimpleCalc
2 File(s)      17 898 834 bytes
4 Dir(s)      142 485 483 520 bytes free

F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23>cd F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc
F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc>
F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc>dotnet build
MSBuild version 17.3.2+561848881 for .NET
Determining projects to restore...
Restored F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc\SimpleCalc.csproj (in 148 ms).
SimpleCalc -> F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc\bin\Debug\net6.0\SimpleCalc.dll

Build succeeded.
0 Warning(s)
0 Error(s)

Time Elapsed 00:00:05.26

F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc>dotnet run
Console Calculator in C#
-----

Type a number, and then press Enter

```

```
Build succeeded.
    0 Warning(s)
    0 Error(s)

Time Elapsed 00:00:05.26

F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc>dotnet run
Console Calculator in C#
-----

Type a number, and then press Enter
18991
Type another number, and then press Enter
566
Choose an option from the following list:
    a - Add
    s - Subtract
    m - Multiply
    d - Divide
Your option? d
Your result: 18991 / 566 = 33
Press any key to close the Calculator console app..._
```

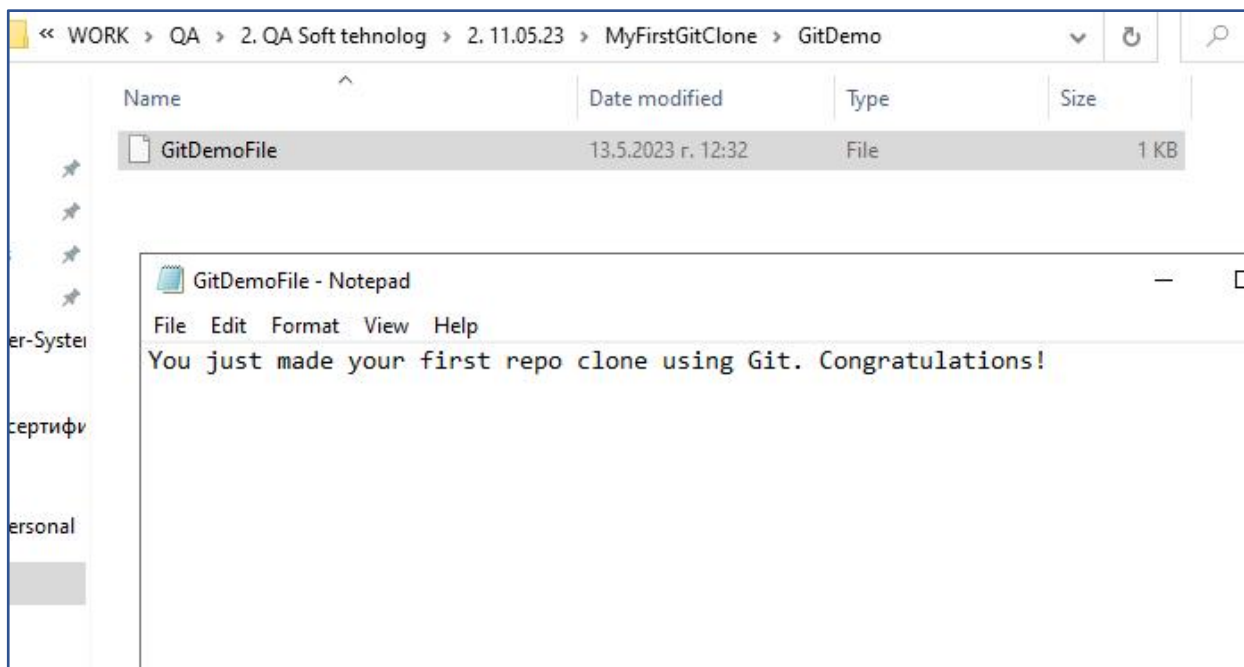
```
F:\WORK\QA\2. QA Soft tehnolog\2. 11.05.23\SimpleCalc>dotnet run
Console Calculator in C#
-----

Type a number, and then press Enter
100
Type another number, and then press Enter
63
Choose an option from the following list:
    a - Add
    s - Subtract
    m - Multiply
    d - Divide
Your option? m
Your result: 100 * 63 = 6300
Press any key to close the Calculator console app...
```


Exercise: Computer Systems and Software - Git

C:\> MINGW64:/c/Users/GordenL

```
GordenL@DESKTOP-50Q2956 MINGW64 ~  
$ git version  
git version 2.40.1.windows.1  
  
GordenL@DESKTOP-50Q2956 MINGW64 ~  
$
```



Exercise: Computer Systems and Software – MySQL, Workbench

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

first_database

Tables

users

Columns

id

first_name

last_name

job_title

salary

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sys

Administration Schemas

Information

No object selected

Query 1 01.Computer-Systems-and-Soft... users SQL File 4* x

Limit to 1000 rows

1 • SELECT * FROM users;

2 • SELECT * FROM users where salary >=1500;

Result Grid

	id	first_name	last_name	job_title	salary
1	John	Smith	Manager	1900	
2	John	Johnson	Customer Service	880	
3	Smith	Johnson	Porter	1100	
4	Peter	Petrov	Front Desk Clerk	1100	
5	Peter	Ivanov	Sales	1500	
6	Ivan	Petrov	Waiter	990	
7	Jack	Jackson	Executive Chef	1800	
8	Pedro	Petrov	Front Desk Supervisor	2100	
9	Nikolay	Ivanov	Housekeeping	1600	
*	NULL	NULL	NULL	NULL	

Form Editor

Field Types

Query Stats

Execution Plan

Context Help Snippets

Automatic context help is disabled. Use the toolbar manually get help for the current caret position or toggle automatic help.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

first_database

Tables

users

Columns

id

first_name

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Query 1 01.Computer-Systems-and-Soft... users SQL File 4* x

Limit to 1000 rows

1 • SELECT * FROM users;

2 • SELECT * FROM users where salary >=1500;

3

Result Grid

	id	first_name	last_name	job_title	salary
1	John	Smith	Manager	1900	
5	Peter	Ivanov	Sales	1500	
7	Jack	Jackson	Executive Chef	1800	
8	Pedro	Petrov	Front Desk Supervisor	2100	
9	Nikolay	Ivanov	Housekeeping	1600	
*	NULL	NULL	NULL	NULL	

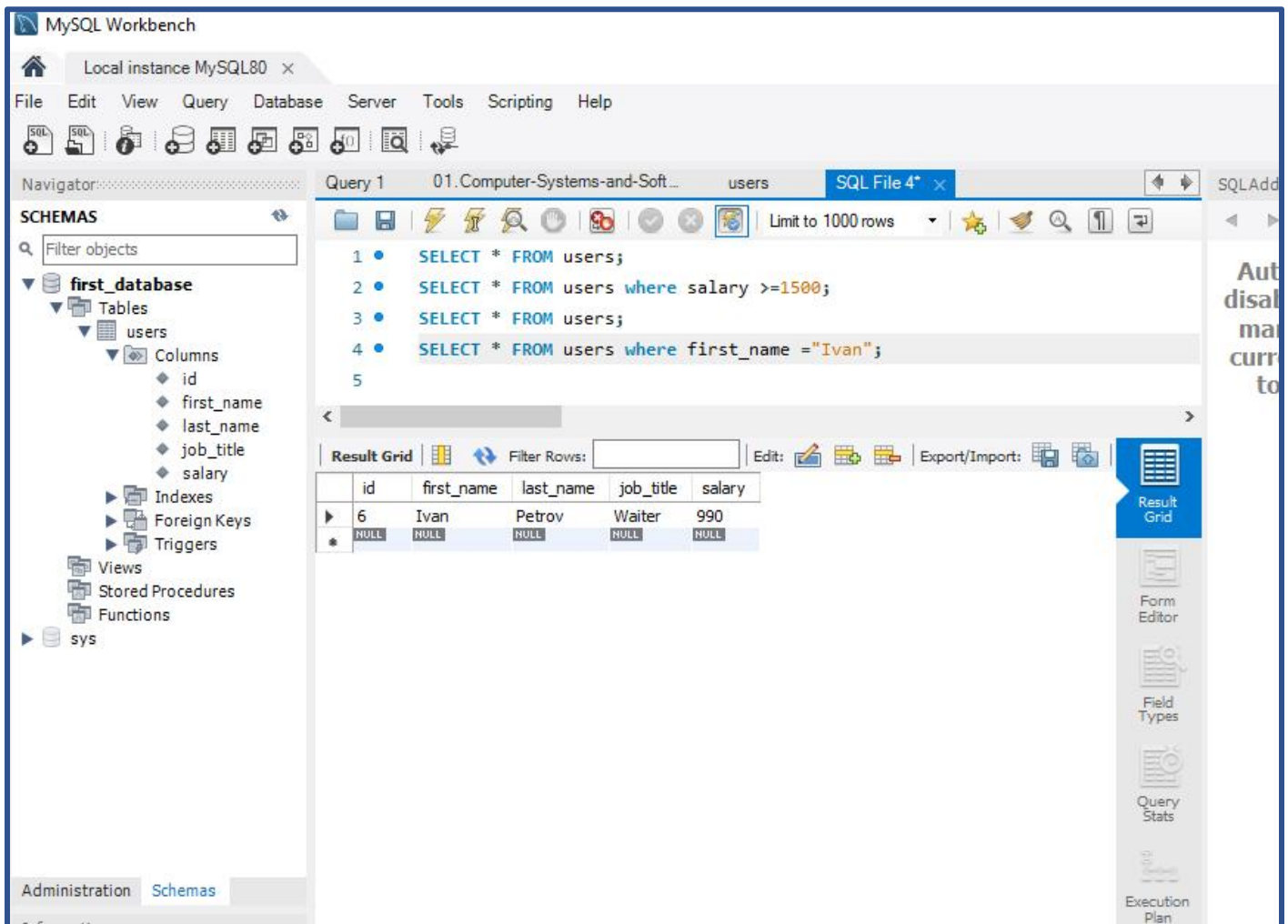
Form Editor

Field Types

Query Stats

Execution Plan

Auton disable manu: current togg



cmd. C:\WINDOWS\system32\cmd.exe - node

```
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.
```

```
C:\Users\GordenL>node
Welcome to Node.js v18.16.0.
Type ".help" for more information.
> 5+99
104
>
```

Exercise: Computer Systems and Software – npm, Node.js


```

Welcome to Node.js v18.16.0.
Type ".help" for more information.
> 5+99
104
> "Hello" + "MyLove"
'HelloMyLove'
> var x=10, y=19
undefined
> x + y
29
> function multyplay(x, y)
...
... {
...   return x*y;
... }
undefined
> multyplay(45, 89)
4005
>

```

← → ↻ 🏠 localhost:8080/add-student

[Home](#) | [View Students](#) | [Add Student](#) | [About](#)

Register New Student

Name:

Email:

© 2020 - Node.js & Express.js Sample MVC App

← → ↻ 🏠 localhost:8080/students

[Home](#) | [View Students](#) | [Add Student](#) | [About](#)

Registered Students

- Marry (marry@gmail.com)
- Steve (steve@yahoo.com)
- Teddy (teddy@mail.ru)
- Grozdev (askatar@abv.bg)

© 2020 - Node.js & Express.js Sample MVC App

Exercise: Computer Systems and Software - Visual Studio Code

