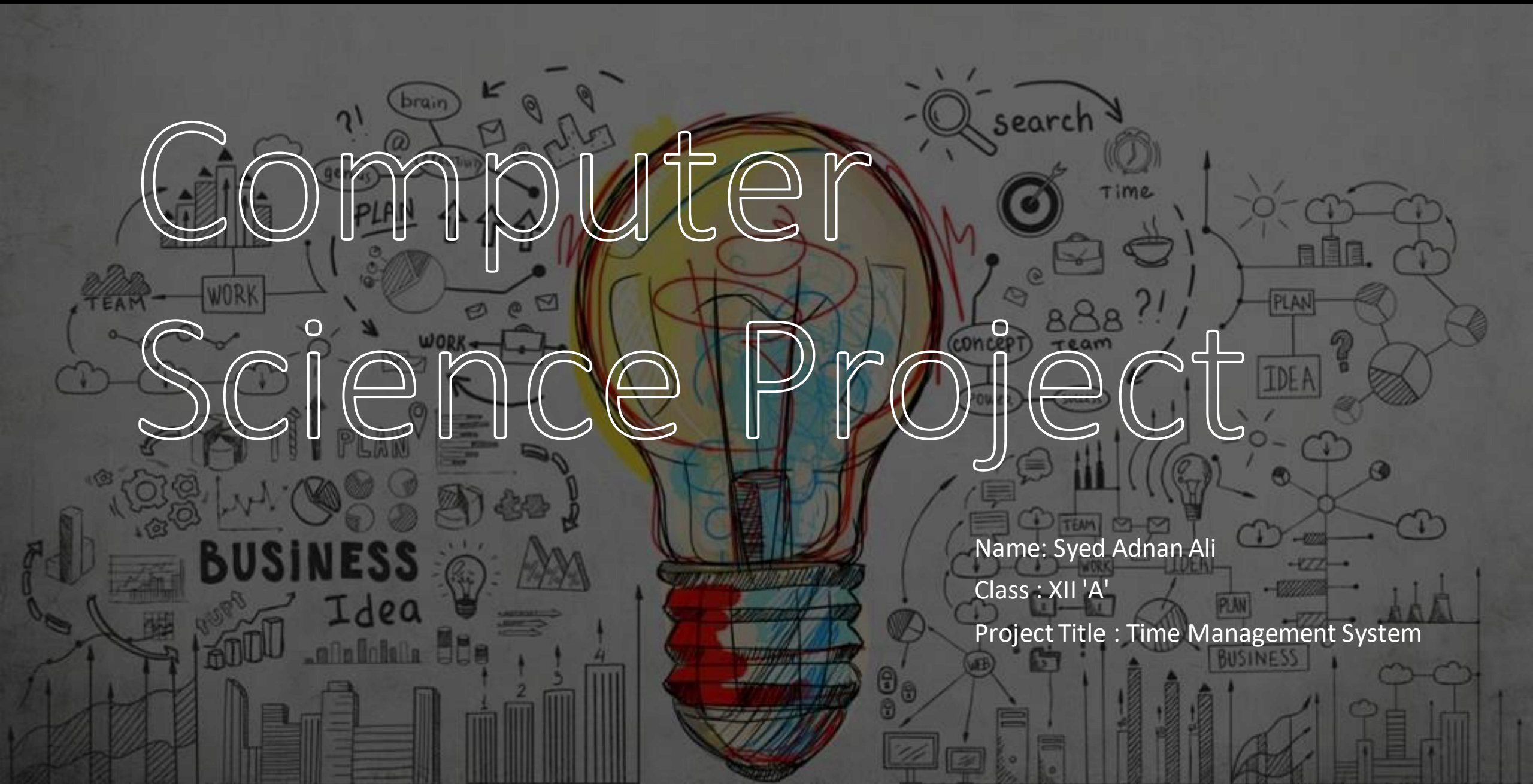
Computer Science Project



Name: Syed Adnan Ali
Class : XII 'A'
Project Title : Time Management System

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Introducing Toggle

- The Time management system is basically a database based project Build with help of python language.
- This project is very use full for the people to manage their time. This project can be upgraded for various functions like equipping this with neural network, machine learning to enhance the time management process of the individual in a highly effective manner.

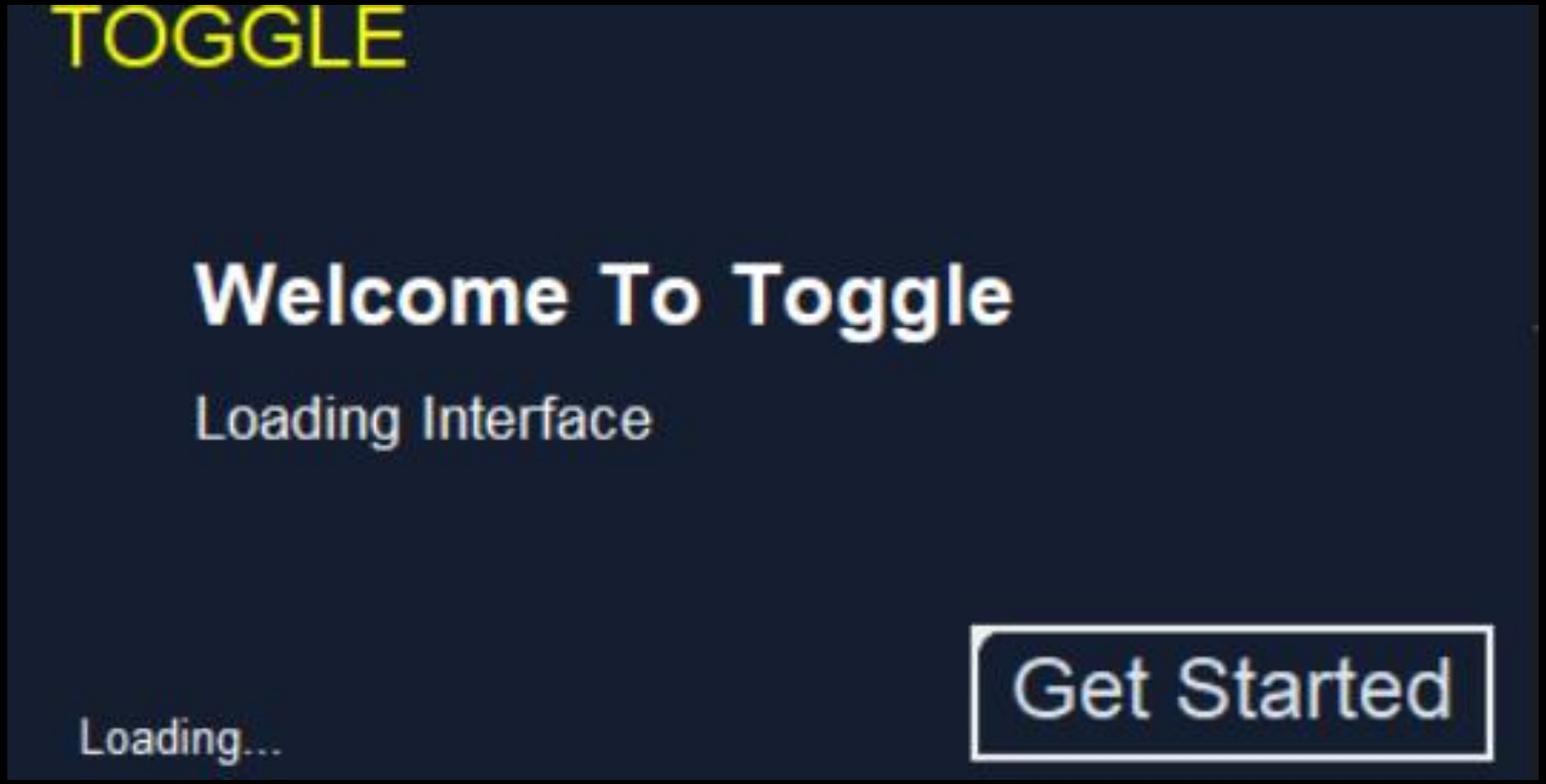
Objective of software

The objective of this project is to let the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good software.

- Write programs utilizing modern software tools.
- Apply object oriented programming principles effectively when developing small to medium sized projects
- Write effective procedural code to solve small to medium sized problems.
- Students will demonstrate a breadth of knowledge in computer science, as exemplified in the areas of systems, theory and software development.
- Students will demonstrate ability to conduct a research or applied Computer Science project, requiring writing and presentation skills which exemplify scholarly style in computer science.


Source Code
Access it here:
https://github.com/Adnan00786/Toggle.git

Output of Code



Loading Interface

Old user New user power options Help

TOGGLE

Already have an account
Login

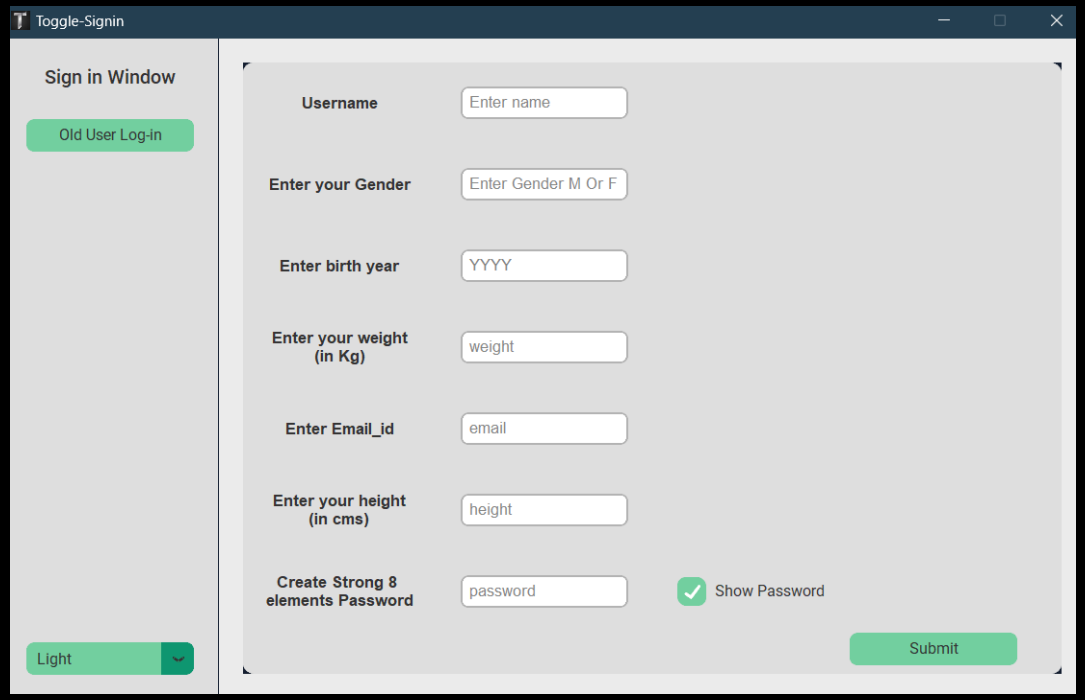
Manage your time effectively with Toggle and improve daily.

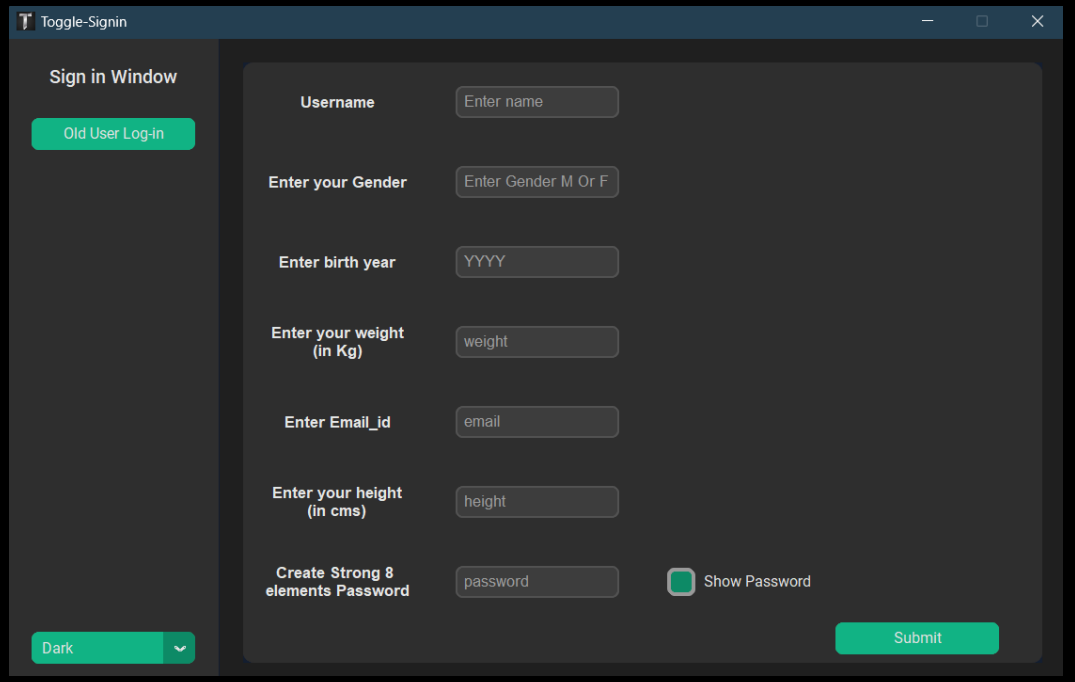
Get Started

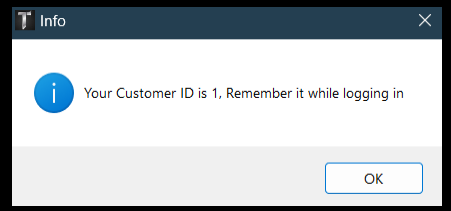
Main page

18 December 2022

Sign-in page with dark and light mode

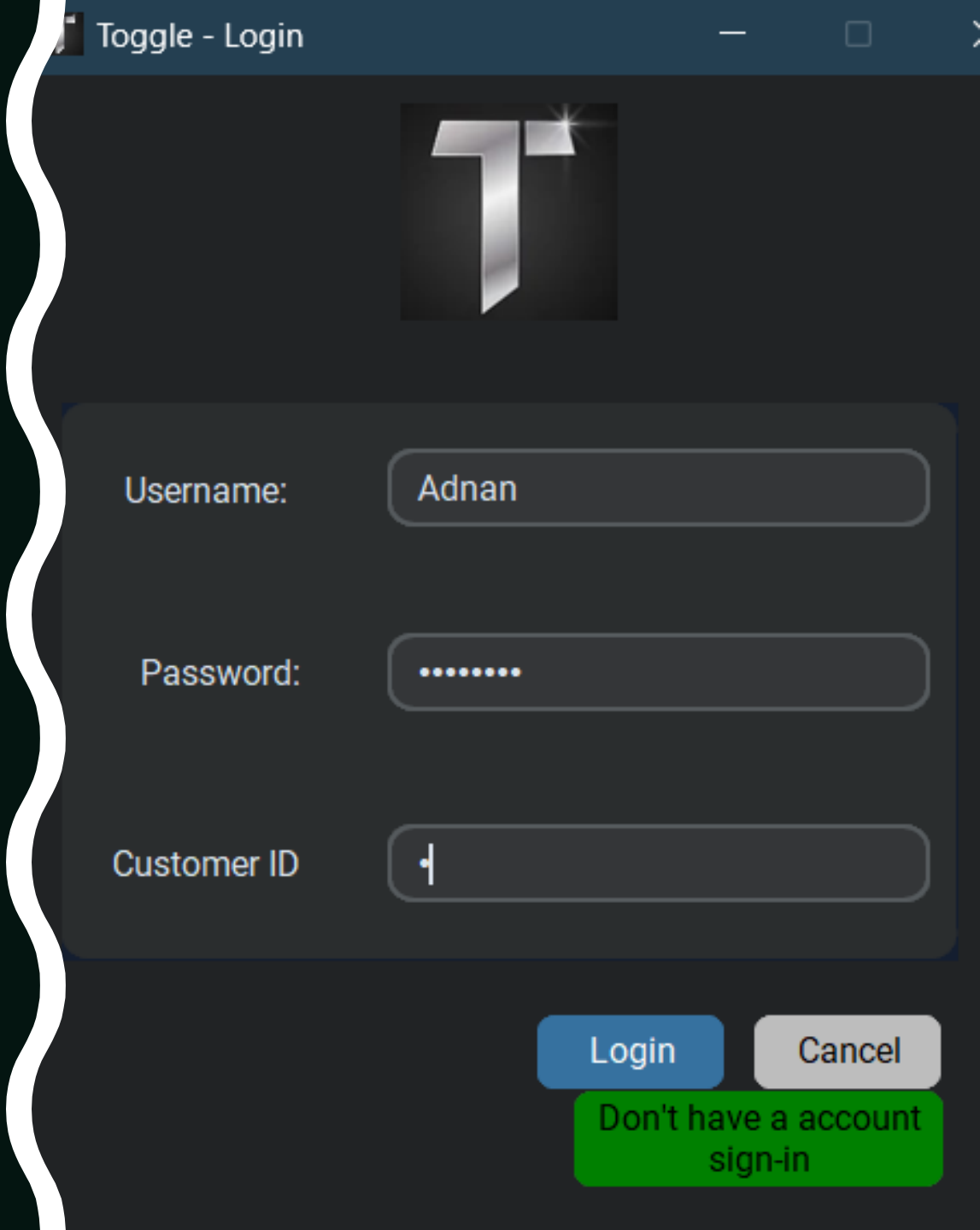






Customer ID is created after signing-in

Login Page


Toggle - Login
Username:
Adnan
Password:
Customer ID
Login
Cancel
Don't have a account
sign-in

power options Help

TOGGLE

Logout

Your Profile

Customer details
Name: Adna
Customer ID: 1
Gender: Male
Age: 17
Weight: 54.0 Kg
Height: 168.0 Cms
Email: syedadnanali0106@gmail.com
BMI: 19.13(Healthy weight)

After Sign-in or Log-in, this Page appears

18 December 2022

power options Help

Get weather reports

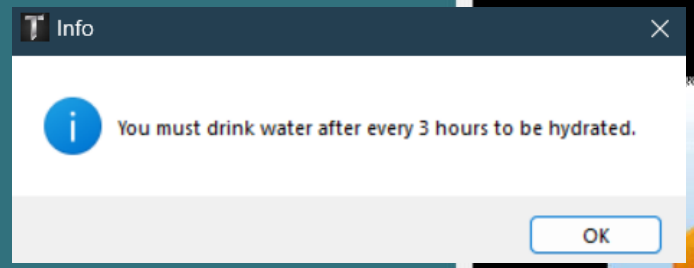
Hydrated status

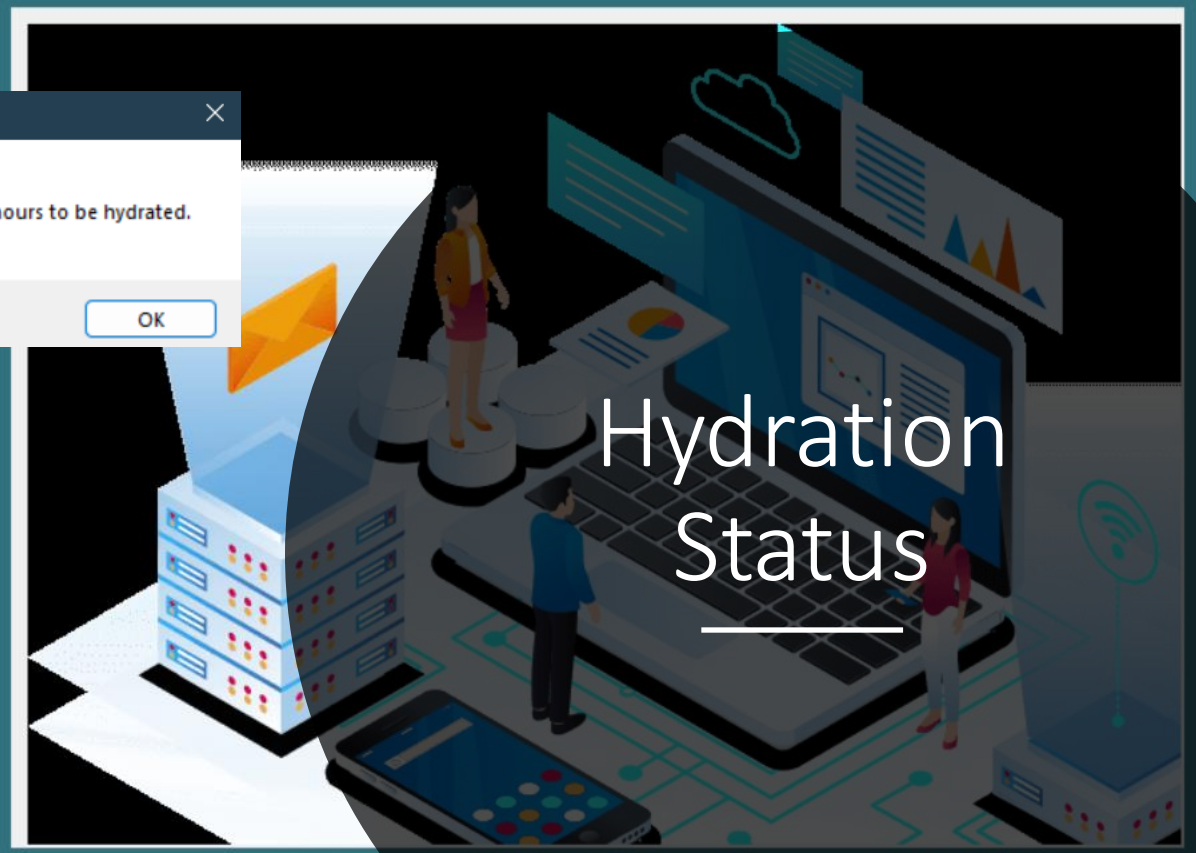
TOGGLE

Logout

Your Profile

Customer details
Name: Adnan
Customer ID: 1
Gender: Male
Age: 17
Weight: 54.0 Kg
Height: 168.0 Cms
Email: syedadnanali0106@gmail.com
BMI: 19.13(Healthy weight)





Hydration Status

18 December 2022

power options Help

Get weather reports

Hydrated status

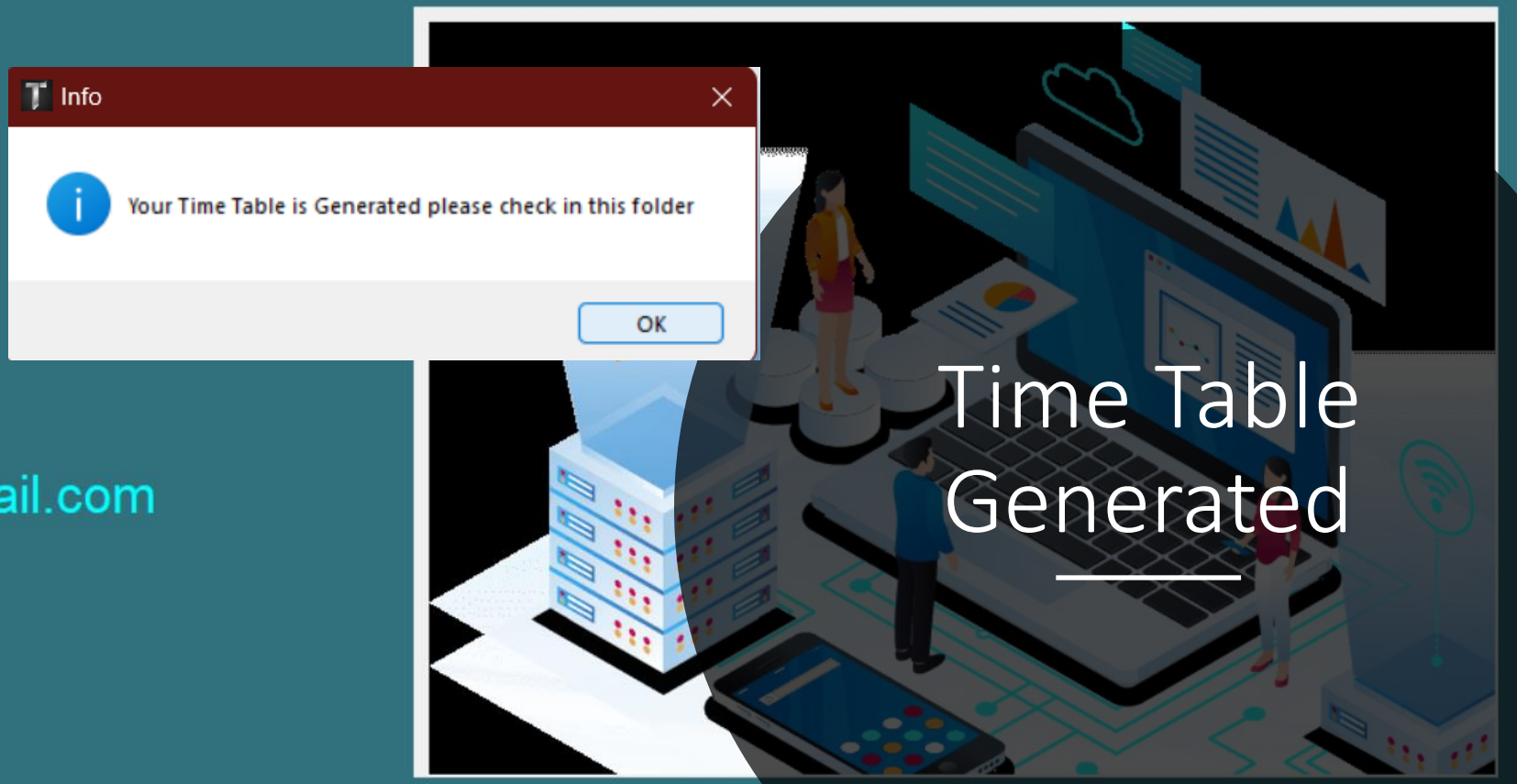
Generate Time Table

TOGGLE

Logout

Your Profile

Customer details
Name: Adnan
Customer ID: 1
Gender: Male
Age: 17
Weight: 58.0 Kg
Height: 168.0 Cms
Email: syedadnanali0106@gmail.com
BMI: 20.55(Healthy weight)



Time Table Generated

20 December 2022

Study Time Table Generated and stored in text file according to Number of days left for exam and per day study calculations

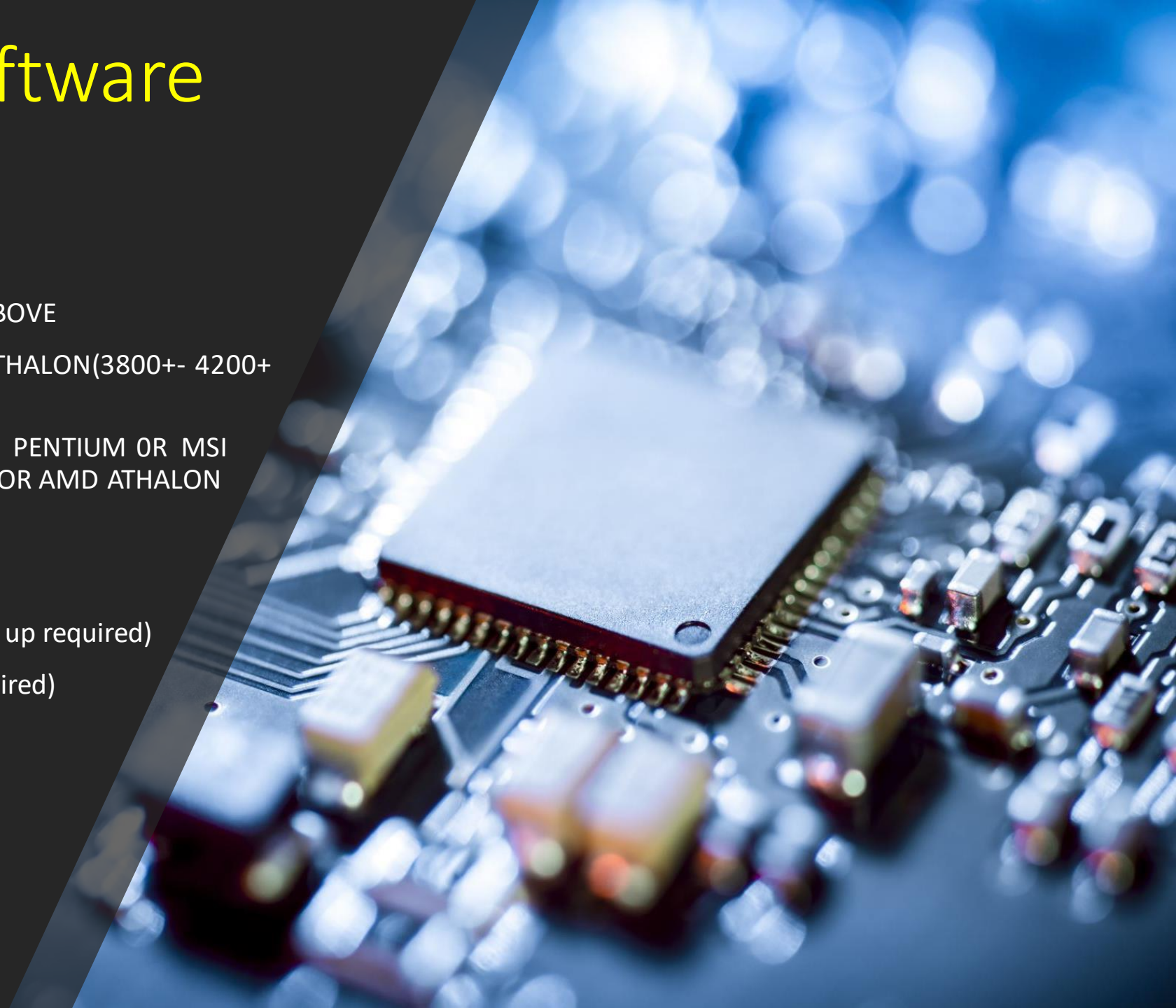
```
Study According to this plan

Maths formula revision = 0.5hr and Math Practice = 2.5hr
Physics theory and formula revision for 1 hr and 2hr practice
English and Computer Science revise theory for 1 hr and practice 2hr

Day1
Subject 1: MATHEMATICS
Subject 2: CHEMISTRY
Take breaks of 30 mins after every 3 hours

Day2
Subject 1: PHYSICS
Subject 2: ENGLISH
Take breaks of 30 mins after every 3 hours

Day3
Subject 1: MATHEMATICS
Subject 2: CHEMISTRY
Take breaks of 30 mins after every 3 hours

Day4
Subject 1: PHYSICS
Subject 2: ENGLISH
Take breaks of 30 mins after every 3 hours

Day5
Subject 1: MATHEMATICS
Subject 2: CHEMISTRY
Take breaks of 30 mins after every 3 hours

Day6
Subject 1: PHYSICS
Subject 2: ENGLISH
Take breaks of 30 mins after every 3 hours

Day7
Subject 1: MATHEMATICS
Subject 2: CHEMISTRY
Take breaks of 30 mins after every 3 hours

Day8
Subject 1: PHYSICS
Subject 2: ENGLISH
Take breaks of 30 mins after every 3 hours
```

Software Working Mechanism

- Toggle stores all of its customer's data in Database using mysql connectors and uses this data while login to verify the provided credentials. Further on the basis of the provided data it calculates user's age , BMI , checks whether he/she is overweight , underweight or in healthy weight category and accordingly displays the in the final Signed up page. Further it even tells the users when and how to drink water to remain hydrated and makes the time table of the user.

Hardware and Software Requirement

- I.OPERATING SYSTEM : WINDOWS 7 AND ABOVE
- II. PROCESSOR : PENTIUM(ANY) OR AMD ATHALON(3800+- 4200+ DUAL CORE)
- III. MOTHERBOARD : 1.845 OR 915,995 FOR PENTIUM 0R MSI K9MM-V VIA K8M800+8237R PLUS CHIPSET FOR AMD ATHALON
- IV. RAM : 512MB+
- V. Hard disk : SATA 40 GB OR ABOVE
- VI. CD/DVD r/w multi drive combo: (If back up required)
- VII. FLOPPY DRIVE 1.44 MB : (If Backup required)
- VIII. MONITOR 14.1 or 15 -17 inch
- IX. Key board and mouse



Bibliography

- Computer science With Python - Class XI &XII By : Sumita Arora
- Customtkinter TomSchimansky
- Website: stackoverflow.com, geeksforgeeks.org