



CS112

Programming 1

Assignment 2

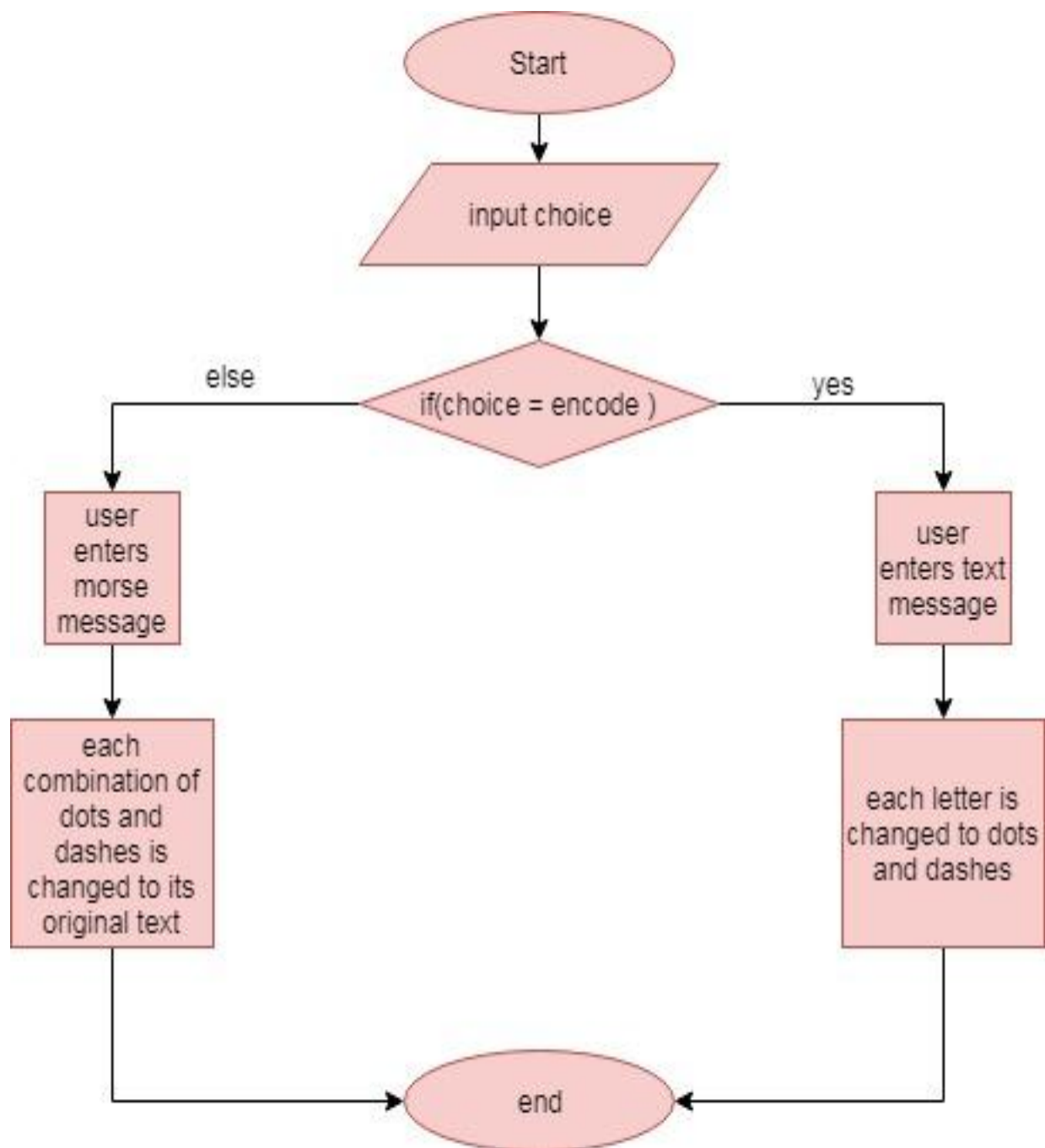
2017 – 2018

Second Semester

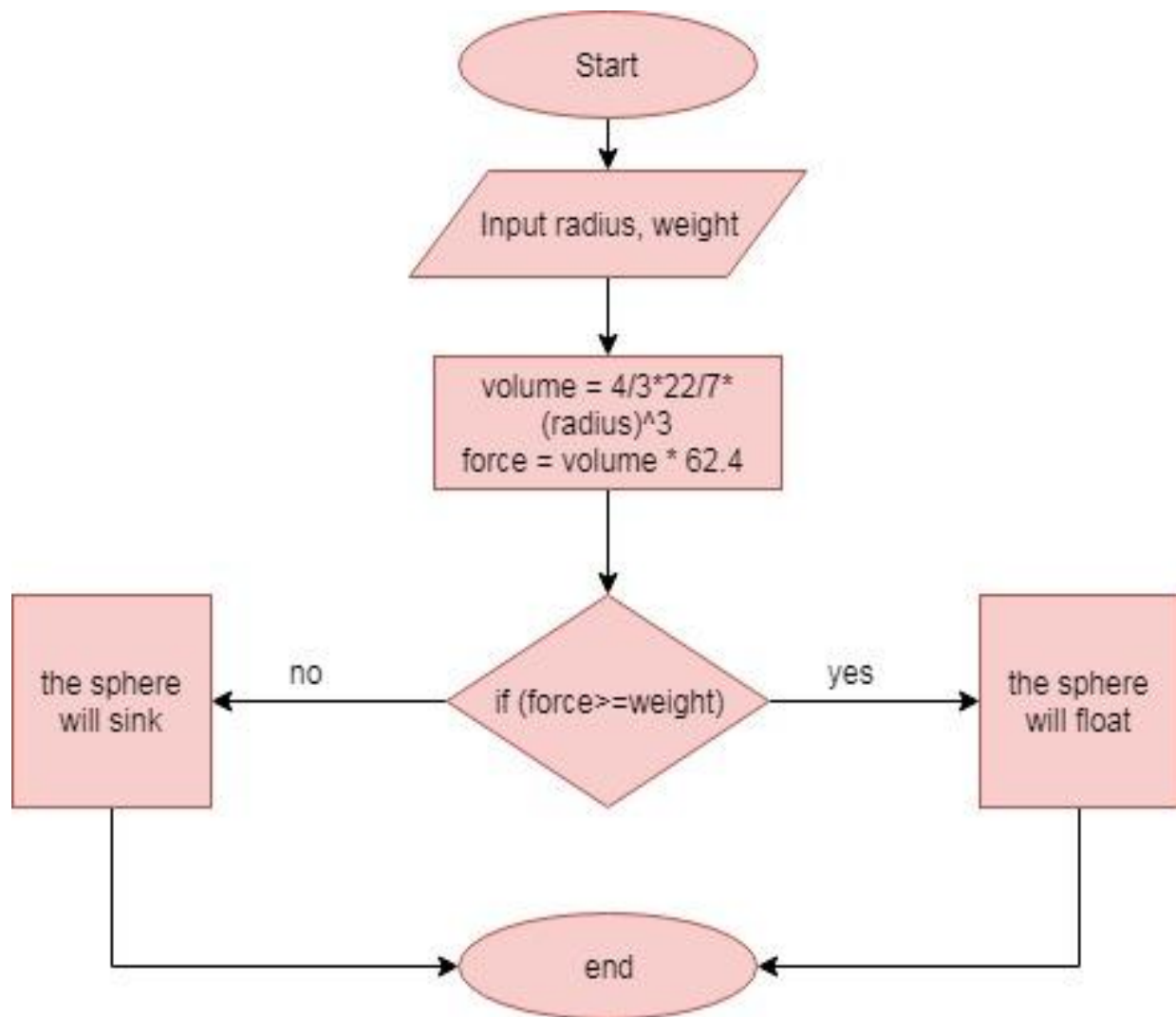
Reem Yehia Zakria	20140127	Morse Code Buoyancy Exponential
Ezzat Hany	20140173	Rot13 Cipher Temperature of the air Exponential
Mohand Magdy	20140280	Affine Cipher Employee's annual salary Arabic and Roman numbers

Dr Mohammed El-Ramly

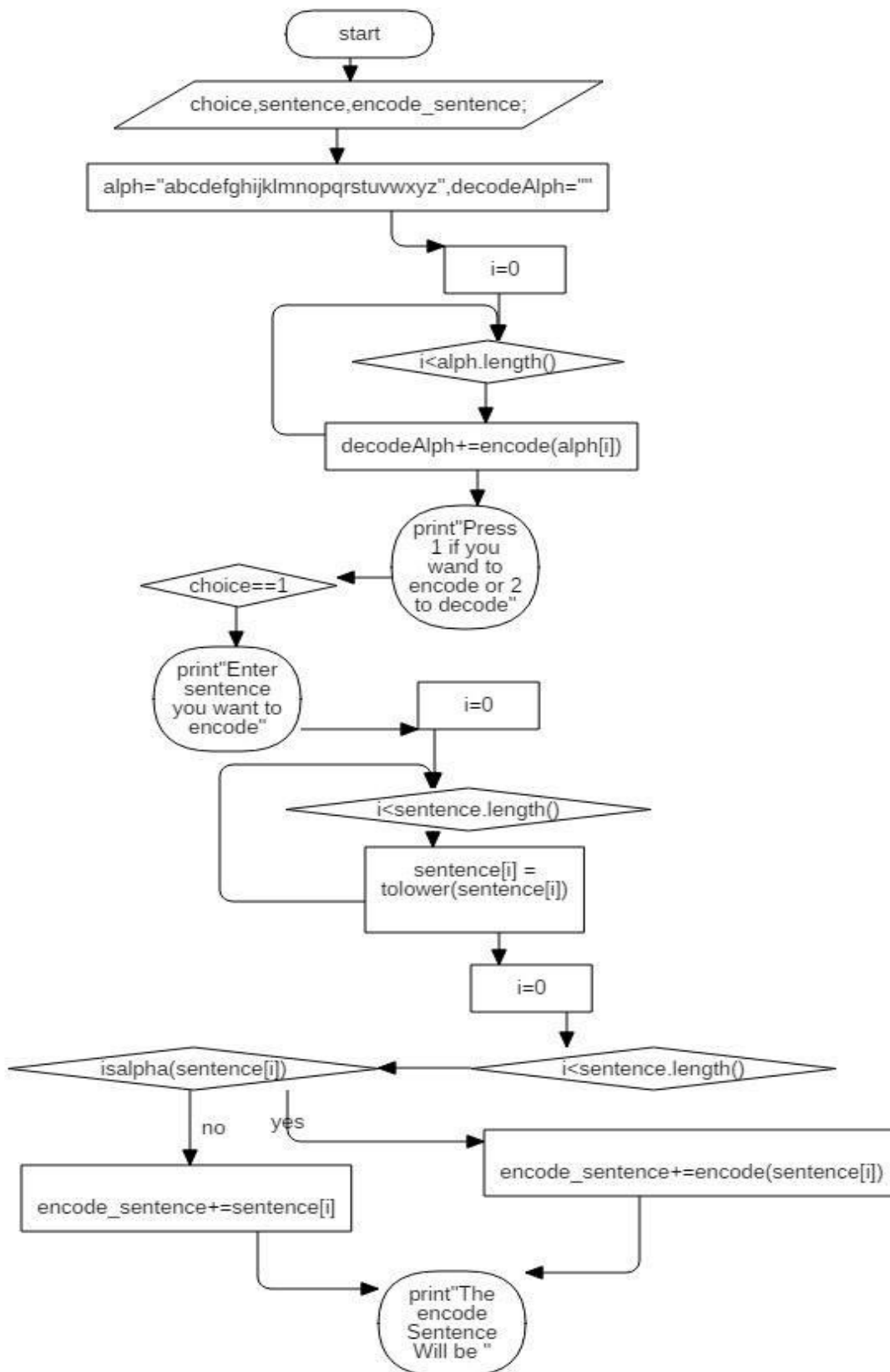
Flowchart of Morse Code game:



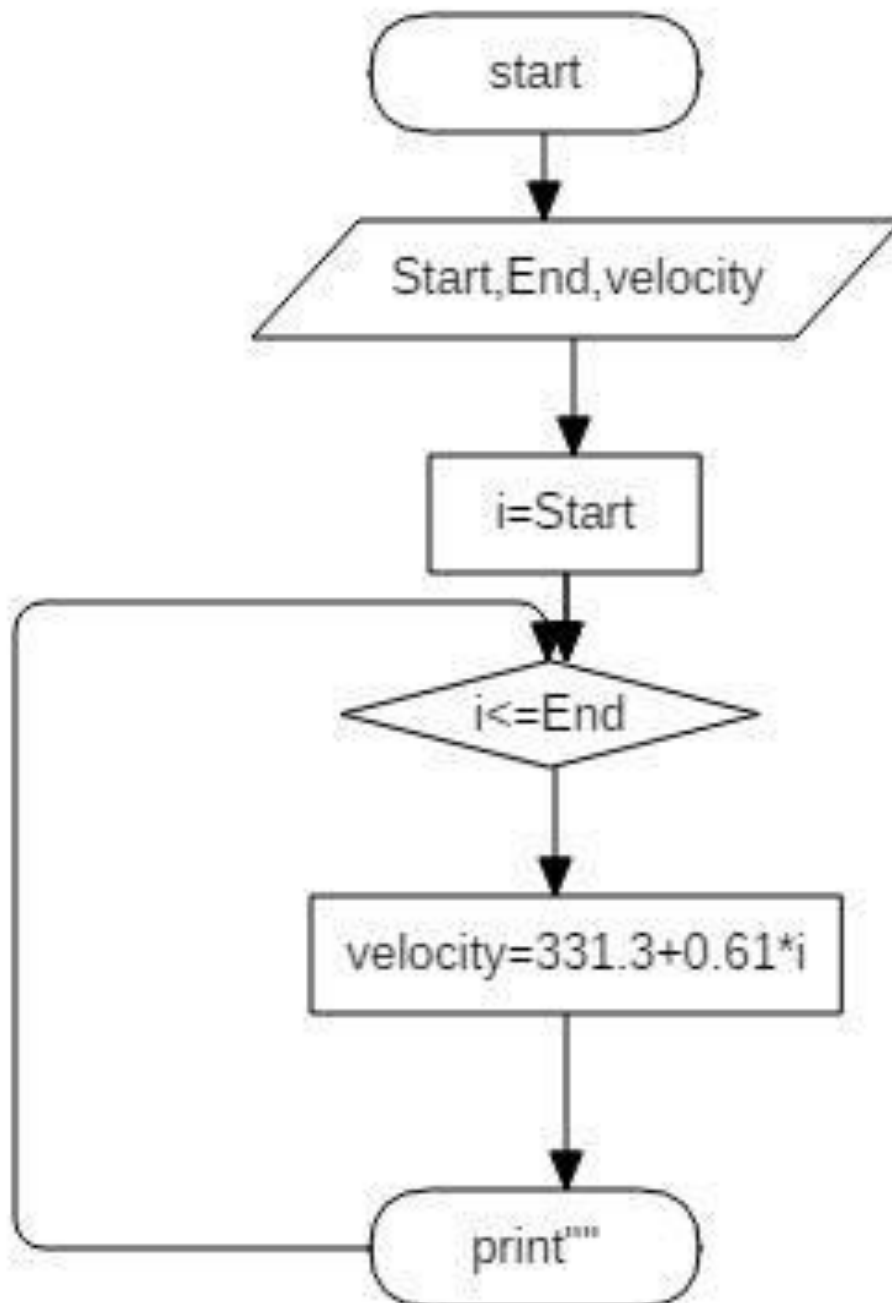
Flowchart of Buoyancy:



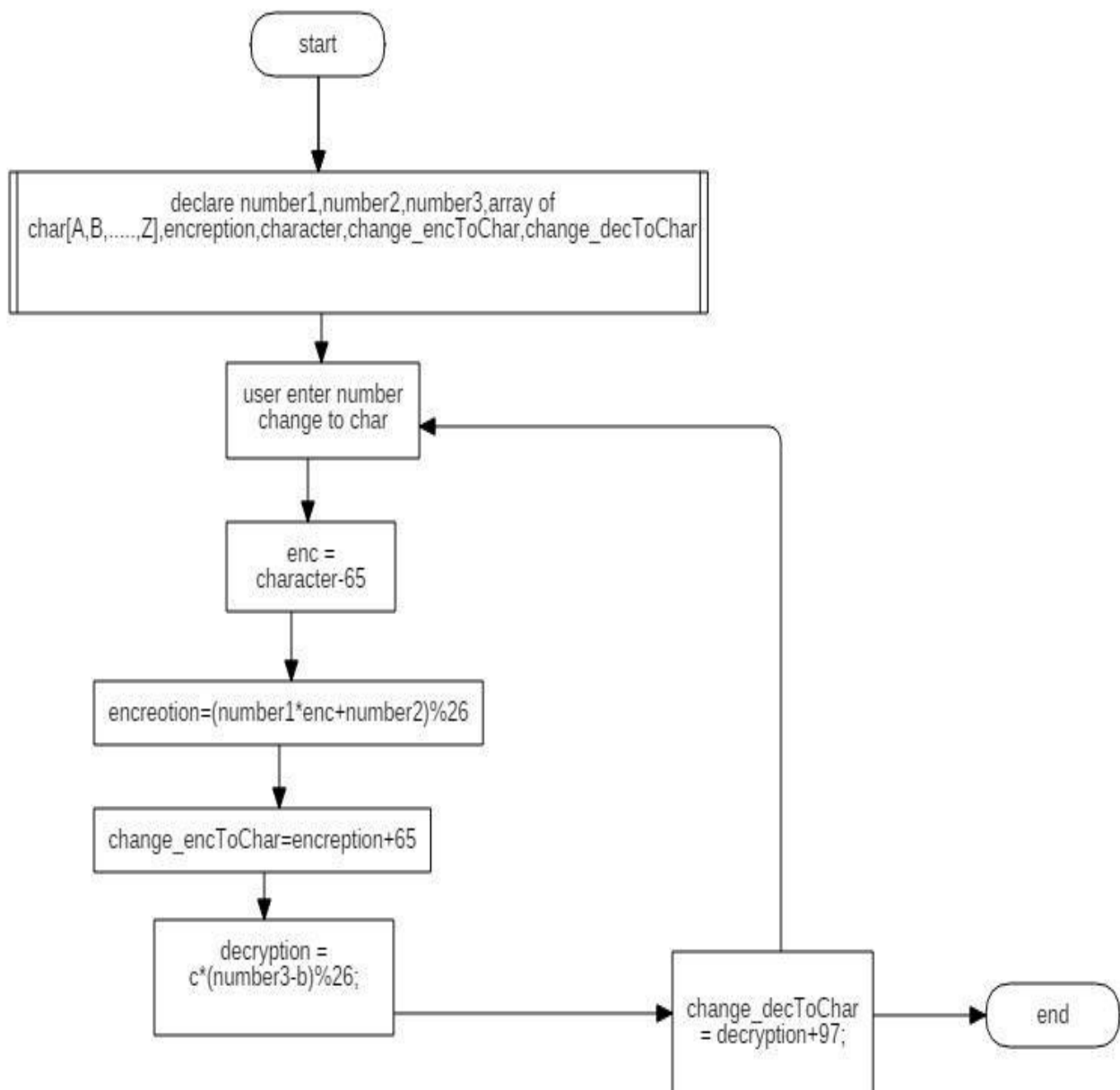
Flowchart of Rot13 Cipher:



Flowchart of Temperature:



Flowchart of Affine Cipher:



Reem TypingClub account:

The screenshot shows a web browser window with the TypingClub website. The browser's address bar displays the URL <https://www.typingclub.com/sportal/team-20323/program-typing-jungle.game>. The website's header includes the TypingClub logo and navigation links: Home, Stats, Badges, and Typing Jungle. The user's name, Reem, is displayed in the top right corner. Below the header, a progress bar shows 14% progress, 368 stars, and 195,049 points. A 'Disable Ads' button is located in the top right corner of the main content area. The main content area features a grid of 13 lesson cards, numbered 92 to 103. Each card displays a progress bar with stars and an icon representing the lesson's theme. Lessons 92 through 99 are unlocked and show progress, while lessons 100 through 103 are locked and show a padlock icon. A vertical scroll bar on the right side of the grid allows navigation between the lessons. The background of the website is a stylized blue and white geometric landscape. The Windows taskbar is visible at the bottom of the screen, showing the Start button and several application icons. The system tray in the bottom right corner displays the time as 4:04 PM on 01/03/2018, along with various system icons and the language setting 'ENG'.

TypingClub Home Stats Badges Typing Jungle Reem

14% progress | 368 stars | 195,049 points Disable Ads

Lesson Number	Lesson Title	Progress (Stars)	Status
92	Practice R Hand	5/5	Unlocked
93	Play: Words	5/5	Unlocked
94	Staring at Screen	5/5	Unlocked
95	Take Breaks	5/5	Unlocked
96	Look Away	5/5	Unlocked
97	Active Breaks	5/5	Unlocked
98	Practice L Hand	5/5	Unlocked
99	Play: Numbers	5/5	Unlocked
100	Muscle Memory	5/5	Unlocked
101	Good Posture	5/5	Unlocked
102	Adjust Your Screen	0/5	Locked
103	Trust Yourself	0/5	Locked

Ezzat TypingClub account:

The screenshot displays the TypingClub website interface for a user named Ezzat. The browser's address bar shows the URL: <https://www.typingclub.com/sportal/team-20668/program-typing-jungle.game>. The website header includes the TypingClub logo and navigation links: Home, Stats, Badges, and Typing Jungle. The user's name, Ezzat, is displayed in the top right corner.

The main content area shows the user's progress: 3% progress, 65 stars, and 35,153 points. A "Disable Ads" link is visible in the top right. Below this, there is a grid of 20 typing exercises, each with a number, an icon, a star rating, and a description:

Exercise Number	Icon	Star Rating	Description
9	sl	5 stars	Keys s & l
10	sl	5 stars	Review: s & l
11	clock	5 stars	Practice: s & l
12	a;	5 stars	Keys a &;
13	a;	5 stars	Review: a &;
14	clock	5 stars	First 8 Keys
15	balloon	5 stars	Play: First 8 Keys
16	house	5 stars	Home, Sweet Home!
17	keyboard	5 stars	Home Row: L Hand
18	keyboard	5 stars	Home Row: R Hand
19	gh	5 stars	Keys g & h
20	gh	5 stars	Review: g & h

The bottom of the screen shows a Windows taskbar with various application icons and a system clock displaying 03:36 on 20/11/2020.

Mohand TypingClub account:

The image shows the TypingClub account dashboard for a user named 'mohamad'. The interface features a blue header with navigation links: 'TypingClub', 'Home', 'Stats', 'Badges', and 'Typing Jungle'. The user's profile is shown in the top right corner with a flag icon and the name 'mohamad'. Below the header, a progress bar indicates '1% progress', '22 stars', and '12,589 points'. The main content area displays a grid of 20 lessons, numbered 9 to 20. Lessons 9, 10, and 11 are unlocked, while lessons 12 through 20 are locked, indicated by a padlock icon. Each lesson card includes an icon representing the lesson's focus (e.g., keys, review, practice, home row) and a brief description. A vertical sidebar on the right side of the grid contains navigation controls: a hamburger menu, up and down arrows, a page number '2', and a scroll bar.

Lesson Number	Lesson Title	Status
9	Keys s & l	Unlocked
10	Review: s & l	Unlocked
11	Practice: s & l	Unlocked
12	Keys a & ;	Locked
13	Review: a & ;	Locked
14	First 8 Keys	Locked
15	Play: First 8 Keys	Locked
16	Home, Sweet Home!	Locked
17	Home Row: L Hand	Locked
18	Home Row: R Hand	Locked
19	Keys g & h	Locked
20	Review: g & h	Locked

Report:

Faculty of Computers and Information
Programming 1 – 2018- Assignment 2

جامعة القاهرة – كلية الحاسبات و المعلومات
الفرقة الأولى – برمجة الحاسبات ١ – ٢٠١٨ - المسألة ٢

اسم الطالب ريم يحيى زكريا Name..... التاريخ 3-3-2018 Date المجموعة 21 Group

اسم الطالب مهند مجدي Name..... التاريخ 3-3-2018 Date المجموعة 22 Group

اسم الطالب عزت هاني Name..... التاريخ 3-3-2018 Date المجموعة 21 Group

We give oath that we have fully authored all the programs we submitted for Assignment 2 and we did not copy work from the net, from other colleagues or from any sources.

نقسم بالله العظيم نحن الموقعون أدناه أننا قد قمنا بتنفيذ هذه المسألة Assignment 2 بأنفسنا و لم نغش مطلقا أو ننقل جهد غيرنا للحصول على درجات بغير حق أو نعطي مجهودنا للآخرين بغير حق و الله على ما نقول شهيد (من يتخرج من صيغة القسم لسبب ديني يكتب ما يناسب معتقده)

التوقيع ريم يحيى زكريا Signature التوقيع عزت هاني Signature

التوقيع مهند مجدي Signature