**Abrir y cerrar pyhton REPL**  
 . En Poweshell escribir python  
 . Para cerrarlo es ctrl + z y Enter  
Text

Description automatically generated

**Operaciones con base i** --> for i in range (n)

. Cambia de >>> a ...

. Se ponen las operaciones a realizar y se ejecuta con enter en un ... en blanco

. n va desde 0 en adelante

Text, letter

Description automatically generated  
  
**for i in range(5):**

**X = i \* 10**

**Print(x)**

**Reglas de sangría (indentation and significant white spaces):**

. Se puede usar tab o 4 espacios

. No se deben mezclar entre tabs y espacios

. El código seguido con el mismo espacio se considera del mismo bloque

. Estas reglas se pueden romper si es para optimizar código

Chart

Description automatically generated

**Importar librería:**

. Import module\_name

* Ej Import math

**Desplegar lista de funciones**

. **Help(module\_name)**

* Ej help(math)
* Para salir presionar Q

**Llamar atributo o función del módulo**

. **module\_name.attribute.name**

* Ej math.sqrt(25) = 5.0

**Importar función del modulo y renombrarla**

. from module import attribute

* Ej from math import factorial

**Renombrar a un atributo**

. from module import attribute as name

* Ej from math import factorial as fac

Text, letter

Description automatically generated

Fórmulas de texto

. **str():** convierte un valor en texto

. **len():** da el número de caracteres de un elemento

* Ej len(str(100\*100)) = 5

Text, letter

Description automatically generated

**CHAPTER 3: Scalar types, Operators and Control flow**

**Tipos de datos**

Graphical user interface, application

Description automatically generated

*\* Se pueden transformar datos de un tipo al otro (Ej int(4.2)=4 ó str(4.2)=’4.2’ )*

**Relational Operators**

Table

Description automatically generated

**IF Statement**  (*“Allows to batch an execution based on the value of an expression”)*

**If expression:** 🡪 *Arroja valor booleano (true/false)*

**block**

Text

Description automatically generated with low confidence

. Else Clause (**else:** ó **else expression**)

Text, letter

Description automatically generated

*\*La última parte es una versión mas legible del anterior y con menos código*

**While Loops**

. **while expression**: 🡪 *Arroja valor booleano (true/false)*

**block**

Chart

Description automatically generated

. Mientras se mantenga el valor en TRUE, el bloque seguirá ejecutándose

. Se puede hacer una escala de valores agregando un símbolo matemático previo al signo igual, como ser +=, -=, %=, \*= (CORROBORAR)

A picture containing text, weapon

Description automatically generated

**Formas de detener un While Loop**

. Presionar *Ctrl+C*

Text

Description automatically generated

. Función **break**

Permite detener un loop a partir de una condición establecida

Text, letter

Description automatically generated

*\*Función* ***input():*** *Solicita al usuario que ingrese un string*

. Al detener un loop se ejecuta el siguiente bloque

**CHAPTER 4: Introducing Strings, Collectors and Iteration**

As time goes by, I still learn little things that help me understand more about what I do and do it faster and more accurately. One of these cases was with Excel, where I learned new functions (eg text functions like CONCATENATE or search functions like XLOOKUP or INDEX(MATCH)) and new methods to create, filter and edit cells in bulk, together with the understanding of the logic used. Another case could be the greater understanding of SQL (now adding Oracle SQL), including better query criteria and new ways of editing lines. Last but not least, I learned more about the Tools section of the TaxSolver product and had a brief introduction to Filing Forms.

I consider that my level of proactivity remained similar to last year, being that I take action when faced with urgent problems and spend the number of hours necessary to solve them, recognizing as a point to improve the fact that I do not always give immediate answers to my colleagues of work when they need it.

Another factor to take into account is that when there is little workload I dedicate myself to looking for ways to do our work faster (for example, learning formulas or creating small macros that help us save clicks, although I have not managed to create fully functional macros yet)

In the work environment of the LEGO company there is a philosophy that gives importance to helping and asking for help, which is something I share. During the last year I was able to teach my colleagues about TaxSolver and about data management practices in Excel, being in long calls to solve problems or with the Lamas Dev Practices carried out in December for MCT and rules (which I hope to continue this year), all this always encouraging them to ask all the questions they have to achieve synergy through learning together. I also had the opportunity to help the Filing team by supplying TaxSolver information or creating test files, and was able to work closely with Stoats programmers on projects like SACOSUTS.

I consider that in most of the past year I did not go through many changes regarding the work methodology or the tools used. The small changes that I can recognize are the use of the new Oracle SQL tool for the creation of TWE test files and the brief integration to the Filing Forms team, learning to create new forms through the PDF file editor together with tools created by my colleagues and the new FCMS platform, although until now I never managed to create a complete form

I think that during the past year my level of commitment to the team and the company was not deficient, but I did have a period of less commitment because I was finishing my studies, but once I finished all my attention was focused on completing projects and finishing with pending tasks, such as during the last days of the January sprint after finishing with SACOSUTS. Speaking of which, I am discouraged by the fact that it took so long with that project, since many times I promised to complete it in an estimated time and it took longer, regardless of the cause of it.

One of my goals last year was to expand my portfolio of tools and methods to use to accomplish similar tasks with greater speed and/or accuracy. Although I learned new methods (eg new formulas and methods in excel or new sections of TaxSolver or other tools) and new tools (eg Oracle SQL and Adobe PDF editor), I consider that this objective is not completely complete. I am also looking to learn more versatile tools and ways to integrate them with our most used tools. I recently found a possible learning path that I hope I can follow well to achieve this goal.

Another objective that is not closely related to my day-to-day work but that I do consider important on a professional level is to finish my university degree. During the past year I learned important concepts about the business area, some of which were applicable to day-to-day work. Regardless of this, it is an achievement that I set for 2021 and I am happy to have achieved it.

Finally, another objective that I still have pending is to be able to apply my knowledge in other teams or business areas, being that I was able to touch the surface of the work routine in Filing Forms and I was able to help Stoats a little in the preparation of new forms. Still I feel there is a lot of ground to explore.

Although the work dynamics did not change that much, I consider that it was a year of several challenges, both from a professional and personal point of view. I feel that 2020 was a year of learning about the product and practices and 2021 as a year of improving them. When I finished my university degree, I was also able to begin to expand my limits and visualize what I want for this year, seeking to learn new tools and methods for a more specific role, oriented towards data analysis.