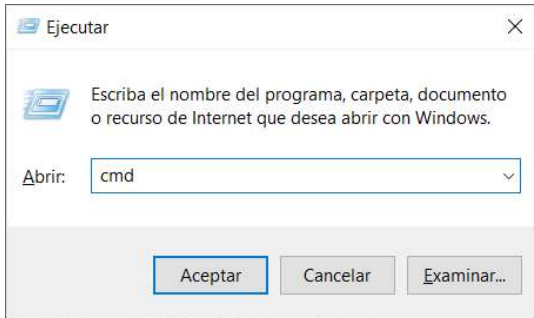


## Kata 2 Eitan Raúl Chávez Rivera

### Crear y administrar proyectos

Vamos a apretar las teclas Windows + R para abrir la herramienta CMD



En la consola ejecutamos el siguiente comando

```
C:\WINDOWS\system32\cmd.exe

C:\Users\eitan\Python_>python -m venv env

C:\Users\eitan\Python_>
```

Este creará el ambiente de trabajo y folder *env*

```
C:\WINDOWS\system32\cmd.exe

C:\Users\eitan\Python_>dir
El volumen de la unidad C es OS
El número de serie del volumen es: 5C07-D66E

Directorio de C:\Users\eitan\Python_

07/02/2022  05:14 p. m.  <DIR>          .
07/02/2022  05:14 p. m.  <DIR>          ..
03/07/2021  08:25 p. m.  <DIR>          .idea
02/07/2021  08:09 p. m.                41 1.Hola.py
03/07/2021  07:59 p. m.            513 10.Funciones integradas.py
03/07/2021  08:12 p. m.            198 11.Ejercicio1.Operacion aritmetica.py
03/07/2021  08:20 p. m.            292 12.Ejercicio 2 Operacion con 3 tipos.py
03/07/2021  08:28 p. m.            368 13. Ejercicio 3 Intercambiar el valor.py
02/07/2021  08:39 p. m.            250 2.Asignacionvariable.py
03/07/2021  03:43 p. m.            128 3.Comentarios.py
03/07/2021  03:57 p. m.            414 4. Operadores aritmeticos.py
03/07/2021  04:07 p. m.            549 5. Operadores Relacionales.py
03/07/2021  04:28 p. m.            517 6.Operadores Logicos.py
03/07/2021  04:37 p. m.            151 7. Operadores de asignacion.py
03/07/2021  07:41 p. m.            185 8.Salida de datos.py
03/07/2021  07:50 p. m.            202 9. Entrada de datos.py
07/02/2022  05:14 p. m.  <DIR>          env
07/02/2022  05:16 p. m.  <DIR>          Kata
02/07/2021  08:01 p. m.  <DIR>          venv
                13 archivos          3,808 bytes
                6 dirs  842,058,326,016 bytes libres

C:\Users\eitan\Python_>
```

Para activar ejecutamos el comando

```
C:\WINDOWS\system32\cmd.exe
C:\Users\eitan\Python>env\Scripts\activate
```

Ahora la ventana de trabajo ha cambiado de C:\ al entorno virtual (env) C:\

```
C:\WINDOWS\system32\cmd.exe
C:\Users\eitan\Python>env\Scripts\activate
(env) C:\Users\eitan\Python>
```

Con el comando pip freeze podemos visualizar los paquetes instalados en este caso la salida está vacía

```
C:\WINDOWS\system32\cmd.exe
C:\Users\eitan\Python>env\Scripts\activate
(env) C:\Users\eitan\Python>pip freeze
(env) C:\Users\eitan\Python>pip install python-dateutil
```

Instalamos el paquete python-dateutil

```
C:\WINDOWS\system32\cmd.exe
C:\Users\eitan\Python>env\Scripts\activate
(env) C:\Users\eitan\Python>pip freeze
(env) C:\Users\eitan\Python>pip install python-dateutil
Collecting python-dateutil
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, python-dateutil
Successfully installed python-dateutil-2.8.2 six-1.16.0
WARNING: You are using pip version 21.2.3; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\eitan\Python\env\Scripts\python.exe -m pip install --upgrade pip' command.
(env) C:\Users\eitan\Python>
```

Ejecutaremos el comando `pip freeze` para poder volver a visualizar los paquetes ya instalados.

```
C:\WINDOWS\system32\cmd.exe

C:\Users\eitan\Python>env\Scripts\activate

(env) C:\Users\eitan\Python>pip freeze

(env) C:\Users\eitan\Python>pip install python-dateutil
Collecting python-dateutil
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, python-dateutil
Successfully installed python-dateutil-2.8.2 six-1.16.0
WARNING: You are using pip version 21.2.3; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\eitan\Python\env\Scripts\python.exe -m pip install --upgrade pip' command.

(env) C:\Users\eitan\Python>pip freeze
python-dateutil==2.8.2
six==1.16.0

(env) C:\Users\eitan\Python>
```

Y finalmente el comando `deactivate` para salir del entorno

```
C:\WINDOWS\system32\cmd.exe

C:\Users\eitan\Python>env\Scripts\activate

(env) C:\Users\eitan\Python>pip freeze

(env) C:\Users\eitan\Python>pip install python-dateutil
Collecting python-dateutil
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, python-dateutil
Successfully installed python-dateutil-2.8.2 six-1.16.0
WARNING: You are using pip version 21.2.3; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\eitan\Python\env\Scripts\python.exe -m pip install --upgrade pip' command.

(env) C:\Users\eitan\Python>pip freeze
python-dateutil==2.8.2
six==1.16.0

(env) C:\Users\eitan\Python>deactivate
C:\Users\eitan\Python>
```