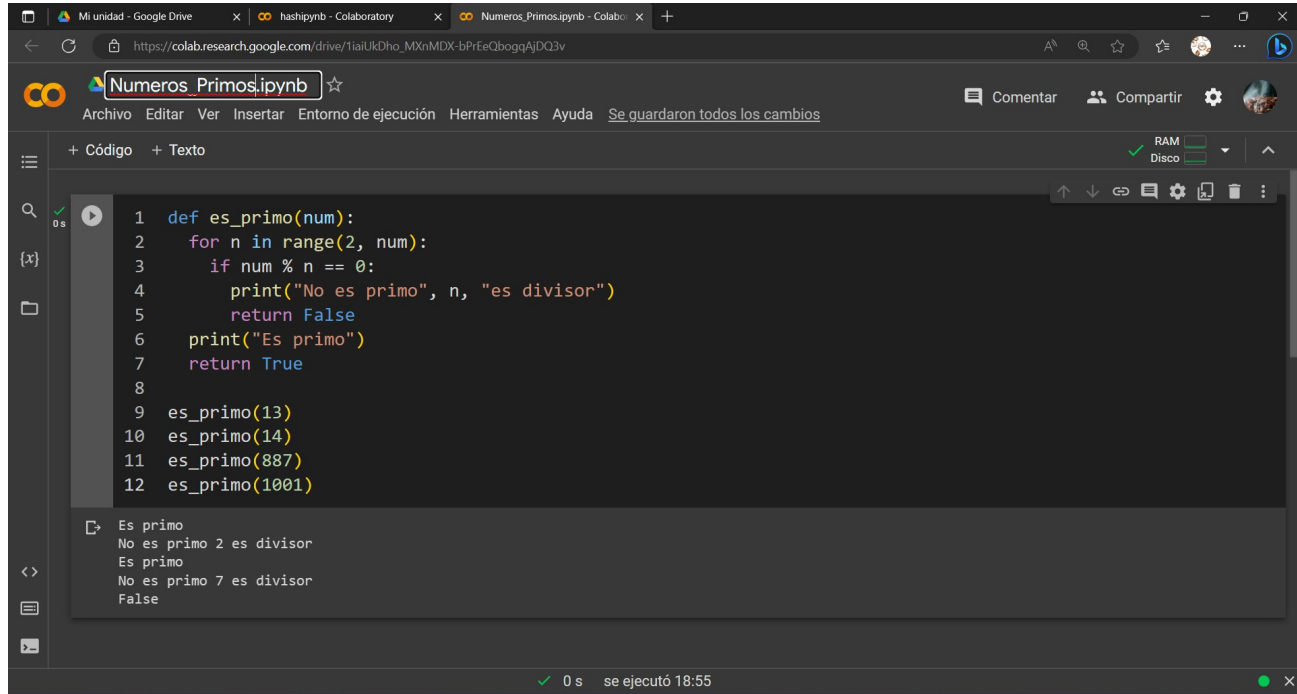


# programas python

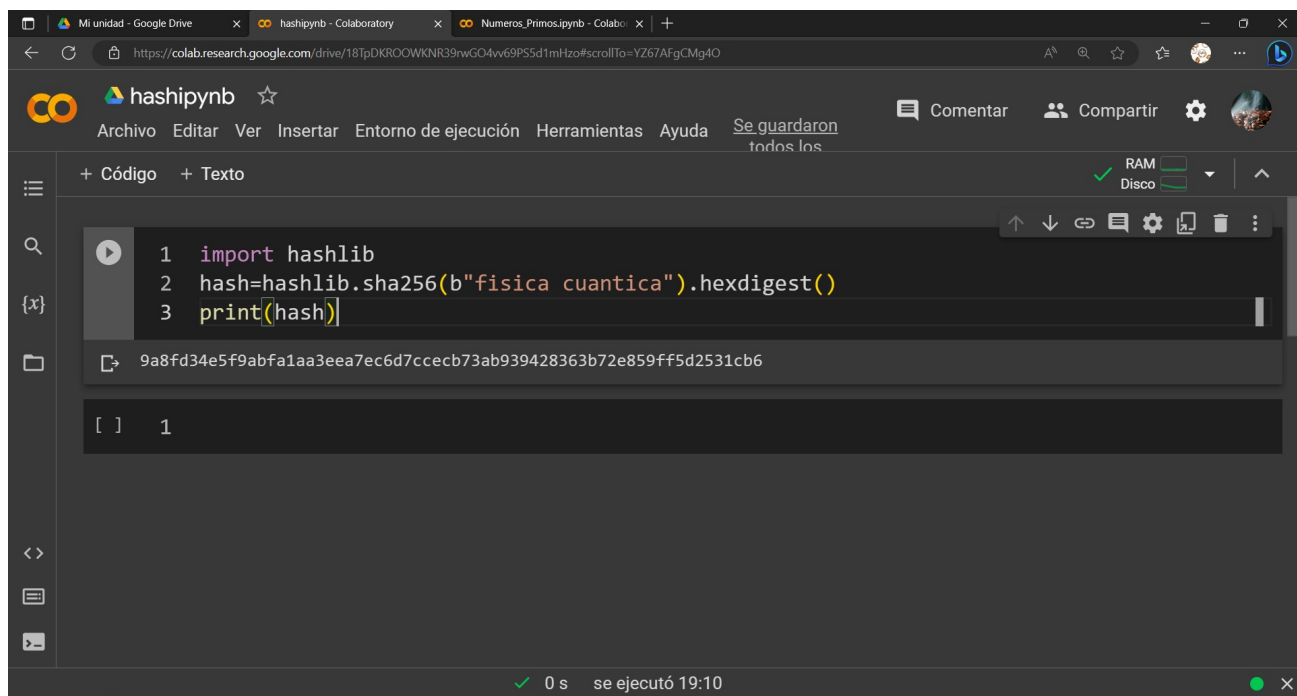


The screenshot shows a Google Colab notebook interface. The browser tabs at the top include 'Mi unidad - Google Drive', 'hashipyb - Colaboratory', and 'Numeros\_Primos.ipynb - Colabo...'. The notebook title is 'Numeros\_Primos.ipynb'. The menu bar includes 'Archivo', 'Editar', 'Ver', 'Insertar', 'Entorno de ejecución', 'Herramientas', 'Ayuda', and 'Se guardaron todos los cambios'. The code editor shows a Python function `def es_primo(num):` that checks for primality by testing divisibility from 2 to `num-1`. It prints messages for each divisor found and returns `False` if any divisor is found, otherwise `True`. The function is called with `es_primo(13)`, `es_primo(14)`, `es_primo(887)`, and `es_primo(1001)`. The output cell shows the results: 'Es primo', 'No es primo 2 es divisor', 'Es primo', 'No es primo 7 es divisor', and 'False'. The status bar at the bottom indicates '0 s' and 'se ejecutó 18:55'.

```
1 def es_primo(num):
2     for n in range(2, num):
3         if num % n == 0:
4             print("No es primo", n, "es divisor")
5             return False
6     print("Es primo")
7     return True
8
9 es_primo(13)
10 es_primo(14)
11 es_primo(887)
12 es_primo(1001)
```

Es primo  
No es primo 2 es divisor  
Es primo  
No es primo 7 es divisor  
False

0 s se ejecutó 18:55



The screenshot shows a Google Colab notebook interface. The browser tabs at the top include 'Mi unidad - Google Drive', 'hashipyb - Colaboratory', and 'Numeros\_Primos.ipynb - Colabo...'. The notebook title is 'Numeros\_Primos.ipynb'. The menu bar includes 'Archivo', 'Editar', 'Ver', 'Insertar', 'Entorno de ejecución', 'Herramientas', 'Ayuda', and 'Se guardaron todos los cambios'. The code editor shows a Python program that imports the `hashlib` module, calculates the SHA256 hash of the string `"fisica cuantica"`, and prints the result. The output cell shows the hash value: `9a8fd34e5f9abfa1aa3eea7ec6d7ccec73ab939428363b72e859ff5d2531cb6`. The status bar at the bottom indicates '0 s' and 'se ejecutó 19:10'.

```
1 import hashlib
2 hash=hashlib.sha256(b"fisica cuantica").hexdigest()
3 print(hash)
```

9a8fd34e5f9abfa1aa3eea7ec6d7ccec73ab939428363b72e859ff5d2531cb6

[ ] 1

0 s se ejecutó 19:10