

programas python

A screenshot of a Google Colab notebook titled "Numeros_Primos.ipynb". The code defines a function `es_primo` that checks if a number is prime by testing divisibility from 2 to the number itself. It prints "Es primo" for prime numbers and "No es primo" followed by the divisor for non-prime numbers. The output shows results for 13, 14, 887, and 1001.

```
def es_primo(num):
    for n in range(2, num):
        if num % n == 0:
            print("No es primo", n, "es divisor")
            return False
    print("Es primo")
    return True

es_primo(13)
es_primo(14)
es_primo(887)
es_primo(1001)
```

Output:

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

A screenshot of a Google Colab notebook titled "hashipynb". The code imports the `hashlib` module and generates a SHA-256 hash for the string "fisica cuantica". The output shows the resulting hexdigest.

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

Output:

```
9a8fd34e5f9abfa1aa3eea7ec6d7ccecb73ab939428363b72e859ff5d2531cb6
```