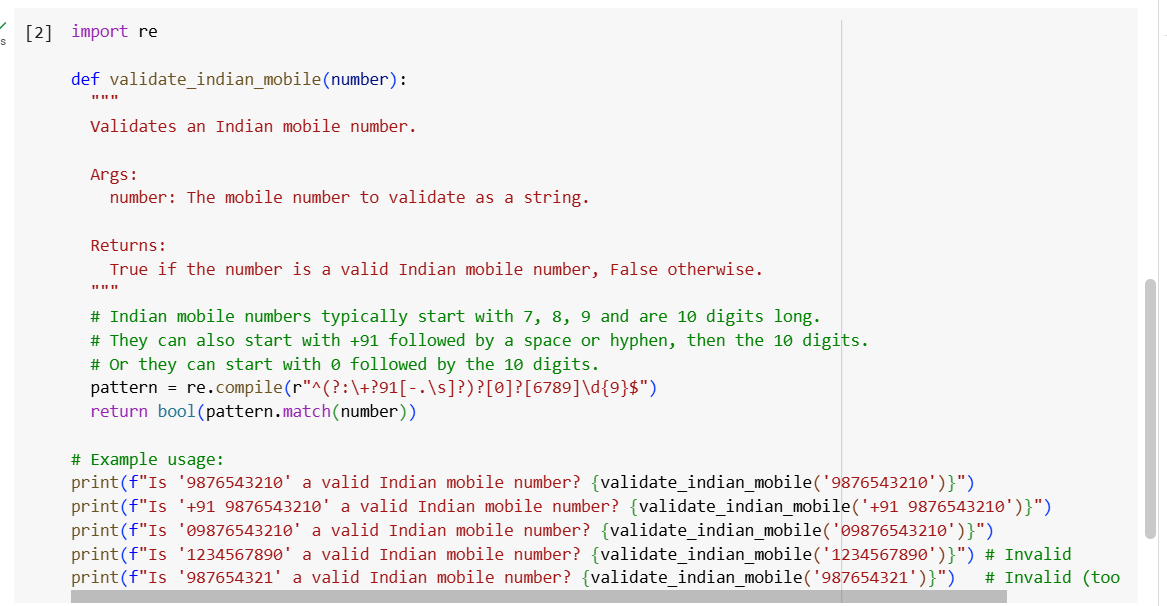
**AI LAB 4.1**

**Task 1: write a python program to generate a function that validates an indian mobile number.**

****

**Output:**

**A close up of text

AI-generated content may be incorrect.**

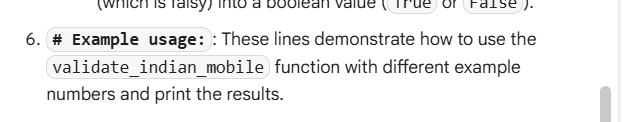
**Explanation:**

**A screenshot of a computer program

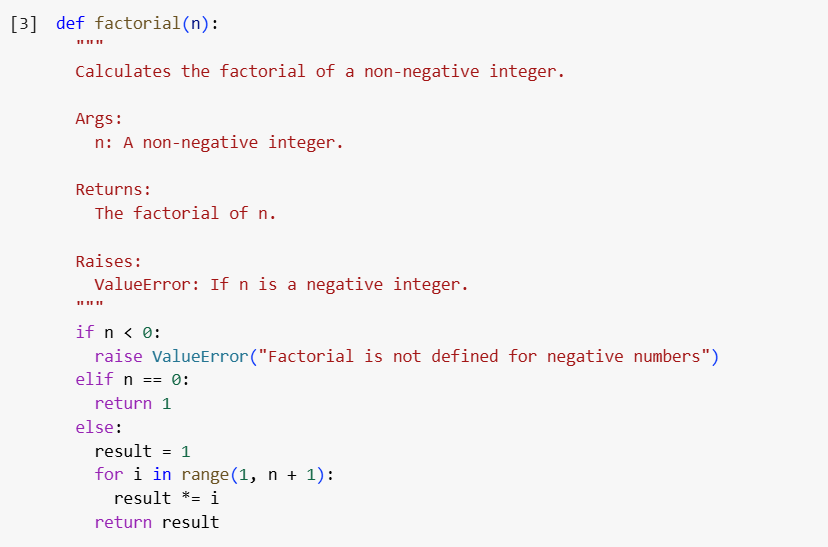
AI-generated content may be incorrect.**

**A screenshot of a phone

AI-generated content may be incorrect.**

****

**Task 2: write a python program that calculates factorial of a number.**

****

**A screenshot of a computer code

AI-generated content may be incorrect.**

**Output:**

**A close up of numbers

AI-generated content may be incorrect.**

**Explanation:**

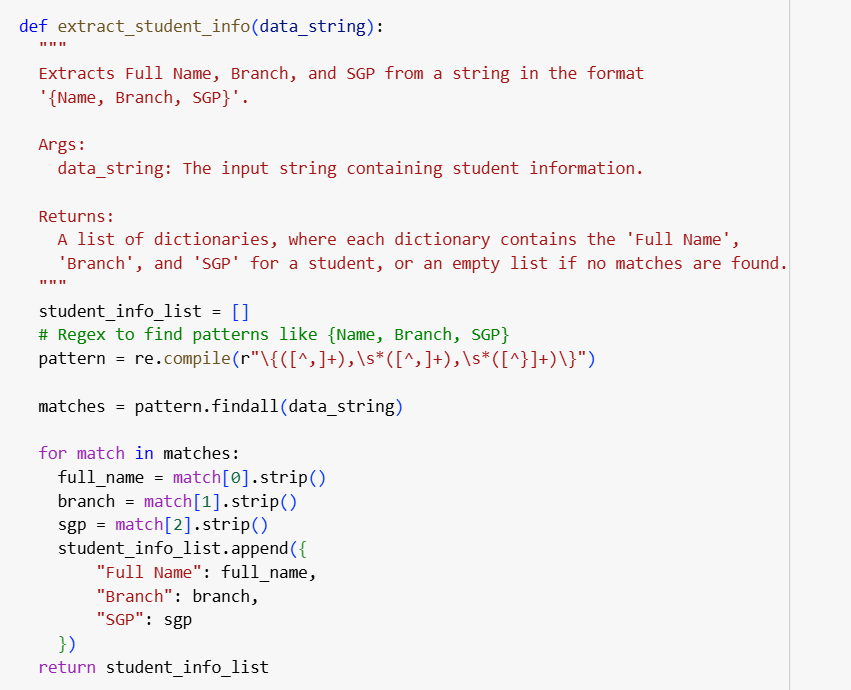
**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a phone

AI-generated content may be incorrect.**

**Task 3: {John Doe , Computer Science,8.5},{ nithya,ece,9.3},{rahithya,mechanical,9.3} with this examples write a python program using functions to extract and return Full Name Branch SGP.**

****

**A computer code with red text

AI-generated content may be incorrect.**

**Output:**

**A black text on a white background

AI-generated content may be incorrect.**

**Explanation:**

**A screenshot of a computer code

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A black text on a white background

AI-generated content may be incorrect.**

**Task 4:**