P-22

Challenge – 1

Q1. Write a Python program that takes the **total bill amount** as input and applies a discount based on the following rules:

- If the bill is **> 5000**, give **25% discount**
- If the bill is **between 3000 and 5000**, give **15% discount**
- If the bill is **between 1000 and 3000**, give **10% discount**
- Otherwise, **no discount**

Sample Input: 6000

Sample Output: Final Amount Payable: 4500.0

Q2. Take three integers as input representing triangle sides and print:

- "Equilateral" → all sides equal
- "Isosceles" → exactly two sides equal
- "Scalene" → all sides different

Sample Input: 3 3 3

Sample Output: Equilateral Triangle

Q3. Write a Python program that prints **all even numbers** between 1 and n .

Sample Input: 10

Sample Output: 2 4 6 8 10

Q4. Write a Python program that checks whether a number is **prime** or not.

- A prime number is **greater than 1** and divisible **only by 1 and itself**.
- Print "Prime" if the number is prime, otherwise print "Not Prime".

Sample Input: 7

Sample Output: Prime