**WEEK-1 PRACTICE MODEL**

**Q1)** Given an integer, perform the following conditional actions:

* + If  is odd, print Weird
  + If  is even and in the inclusive range of  to , print Not Weird
  + If  is even and in the inclusive range of  to , print Weird
  + If  is even and greater than , print Not Weird

**SOLUTION:**

**import math**

**import os**

**import random**

**import re**

**import sys**

**if \_\_name\_\_ == '\_\_main\_\_':**

**n = int(input().strip())**

**if n%2 != 0:**

**print("Weird")**

**elif n%2 == 0 and n>2 and n<=5:**

**print("Not Weird")**

**elif n%2 ==0 and n > 6 and n <=20:**

**print("Weird")**

**else:**

**print("Not Weird")**

**Q2**) The provided code stub reads two integers from STDIN,**a** and**b**. Add code to print three lines where:

* + - The first line contains the sum of the two numbers.
    - The second line contains the difference of the two numbers (first - second).
    - The third line contains the product of the two numbers.

**SOLUTION:**

**if \_\_name\_\_ == '\_\_main\_\_':**

**a = int(input())**

**b = int(input())**

**print (a+b)**

**print (a-b)**

**print (a\*b)**

**Q2)** The provided code stub reads two integers, **a** and **b**, from STDIN.

Add logic to print two lines. The first line should contain the result of integer

division,  **a//b**. The second line should contain the result of float division**, a/b**.

No rounding or formatting is necessary.

**SOLUTION:**

**if \_\_name\_\_ == '\_\_main\_\_':**

**a = int(input())**

**b = int(input())**

**print (a//b)**

**print (a/b)**

**Q2**) The provided code stub reads an integer, **n**, from STDIN. For all non-negative integers **i < n**, print  **i2**.

**SOLUTION:**

**if \_\_name\_\_ == '\_\_main\_\_':**

**n = int(input())**

**for i in range(n):**

**print(i\*i)**