**🔹 Indentation & Code Blocks**

1. **Question 1:**  
   Write a Python program that defines a function check\_number(n) which prints:

* "Positive" if n > 0
* "Negative" if n < 0
* "Zero" otherwise  
  Make sure your code uses correct indentation.

1. **Question 2:**  
   What will happen if you remove indentation inside an if block in Python?  
   Write an example to show the **IndentationError**.

**🔹 If–Elif–Else Statements**

1. **Question 3:**  
   Write a Python program to check whether a given number is **even** or **odd**.
2. **Question 4:**  
   Write a program to input marks and print:

* “Distinction” if marks ≥ 75
* “Pass” if marks ≥ 40 and < 75
* “Fail” if marks < 40

1. **Question 5:**  
   Write a Python program that takes a year as input and checks whether it is a **leap year** or not.
2. **Question 6:**  
   Write a program to check if a character is a **vowel** or **consonant**.

**🔹 While Loops**

1. **Question 7:**  
   Write a Python program using a **while loop** to print numbers from **1 to 10**.
2. **Question 8:**  
   Use a **while loop** to calculate the **sum of first 5 natural numbers**.
3. **Question 9:**  
   Write a program using a **while loop** that prints numbers from 1 to 10, but stops when the number becomes 6 (**use break**).
4. **Question 10:**  
   Write a program using a **while loop** that skips printing number 4 (**use continue**).

**🔹 For Loops & Range**

1. **Question 11:**  
   Write a **for loop** to print all elements from a list:  
   fruits = ["apple", "banana", "cherry", "grape"]
2. **Question 12:**  
   Use a **for loop with range()** to print all **even numbers** between 1 and 20.
3. **Question 13:**  
   Write a **for loop** to display characters in a string **"PYTHON"** one by one.

**🔹 Break & Continue**

1. **Question 14:**  
   Write a program that loops from 1 to 10.

* If the number is 5, display “Breaking loop at 5” and stop the loop.
* Otherwise, print the number.

1. **Question 15:**  
   Write a program that prints numbers from 1 to 10, but skips 3 and 7 using **continue**.