**\*ASSIGNMENT for CONTROL FLOW\***

**1:Difference between if and elif in Python?**

 if is used to check the first condition.

 elif is used to check another condition only if the previous if condition is false

**2:When is a while loop preferred over a for loop?**

* A while loop is preferred when the number of repetitions is not known in advance.
* Example: taking input until the user enters “stop”.

**3:Why are loops important in programming?**

* loops help repeat tasks without writing the same code multiple times.
* They save time and make programs shorter and more efficient..

**4:Example where nested if-else is useful.**

 Nested if-else is useful when we need to check multiple related conditions.

 Example: checking if a user is logged in, then checking if they have admin rights.

**5:Explain the use of break and continue statements with examples**

 break ends the loop immediately.

 continue skips the current iteration and moves to the next one.

**Exampl :**

for i in range(1, 6):

if i == 3:

continue # skips printing 3

if i == 5:

break # stops the loop completely

print(i)

**WRITE BY:AYESHA**