ASSIGNMENT 3
HARD WHILE LOOP

NOTE:

- **No need to submit anywhere, just keep track of all the PDF/Code you made in a specific folder like in VS Code**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me after the session**

Q1. Ask a number from user. Print the total digits present in that number. You cannot convert an integer to string.

Example 1
Enter a number = 564432
Output = 6

Example 2
Enter a number = 121
Output = 3

Q2. Ask a number from user. Print the reversed number. You cannot convert an integer to string.

Example 1
Enter a number = 564432
Output = 234465

Example 2
Enter a number = 1239
Output = 9321

Q3. Ask a number from user. Print **Yes** if the number is palindrome else print **No**. You cannot convert an integer to string.

Palindrome are those numbers which are read same from front and from back.

Example 1

Enter a number = 1234

Output = No

Example 2

Enter a number = 1364631

Output = Yes

Example 3

Enter a number = 1888998881

Output = Yes

Q4. Ask a number from user. Print the **Yes** if that is an **Armstrong** number else print **No.**

Example 1

Enter a number = 153

Output = Yes

Explanation = 1^3 + 5^3 + 3^3 = 153

Example 2

Enter a number = 371

Output = Yes

Explanation = 3^3 + 7^3 + 1^3 = 371

Example 3

Enter a number = 1634

Output = Yes

Explanation = 1^4 + 6^4 + 3^4 + 4^4 = 1634