Strings Level-1

Practice Problem 01

📌 **Description:**

> - Write a Python program that prints the length of a string `s`.

🔹 **Expected Output:**

Input	Output
""	0
"H"	1
"Hello"	5
"Amazing"	7

Practice Problem 02

📌 **Description:**

> - Write a Python program that prints the character at index `i` in the string `s`.
> - If the index is out of range, the program should print `"i is out of range"`
> - If the string is empty, the program should print `"Empty String"`

🔹 **Expected Output:**

String	i	Output
"Hello"	2	"l"
"Pizza"	4	"a"
""	3	"Empty String"
"World"	15	"i is out of range"

Practice Problem 03

📌 **Description:**

> - Write a Python Program that prints the reversed version of a string.
> - The program must preserve uppercase and lowercase letters.
> - If the string is empty, print it intact.

🔹 **Expected Output:**

Input	Output
""Hello"	"olleH"
""Wo"	"oW"
""	""

Practice Problem 04

📌 **Description:**

> - Write a Python program that prints the first and last three characters of the string `s` as a single string.
> - If the string has less than six characters, print an empty string (blank output).

🔹 **Expected Output:**

Input	Output
"Blue"	""
"Wonderful"	"Wonful"
"Amazing"	"Amaing"

Practice Problem 05

📌 **Description:**

> - Write a Python program that prints the string `s` **without** the characters located at **even** indices.
> - If the string is empty or only has one character, print it intact.

🔹 **Expected Output:**

Input	Output
"Coding"	"oig"
"Pizza"	"iz"
"Python"	"yhn"
"A"	"A"
""	""

Practice Problem 06

📌 Description:

> - Write a Python program that check if a string only contains numbers.
> - If it does, print `True`. Else, print `False`.

🔹 Expected Output:

String	Output
"Hello"	False
"4567"	True
"Hello59"	True
""	False

🔸 Hints:

- The `.isdigit()` method returns `True` if all the characters in the string are digits.

Practice Problem 07

📌 Description:

> - Write a Python program that prints the string `s` **without** the character at **index** `n`.
> - If the index `n` is out of range, print the string `s` intact.
> - If the string `s` is empty, print the string `s` intact.

🔹 **Expected Output:**

String	n	Output
"Hello"	1	"Hllo"
"World"	3	"Word"
"Dog"	15	"Dog"
""	2	""

Practice Problem 08

📌 **Description:**

> - Write a Python program that prints the string `s` with the character `curr_char` replaced by the character `new_char`.
> - `curr_char` and `new_char` are variables that contain strings with a single character.
> - You may assume that `new_char` will not be an empty string.
> - The match must be **case-sensitive (do not replace lowercase letters if `**curr_char**` is uppercase).**
> - If no match is found, print the initial string.

🔹 **Expected Output:**

String	curr_char	new_char	Output
"Hello"	"l"	"s"	"Hesso"
"World"	"W"	"A"	"Aorld"
"Python"	"P"	"x"	"xython"
"Python"	"p"	"a"	"Python"
