Assignment-4: Loop and String

---

1. Filter vowels and consonants from the string `"How are you sir"`
    - Extract vowels (`a, e, i, o, u`) and consonants separately.
2. Count vowels and consonants in the string `"How are you sir"`
    - Count how many vowels and consonants are present in the string.
3. Reverse the string `"How are you sir"`
    - Rearrange the string so it reads backward (e.g., `"ris uoy era woH"`).
4. Convert lowercase letters to uppercase in the string `"How are you sir"`
    - Change all lowercase letters to uppercase → `"HOW ARE YOU SIR"`.
5. Remove duplicate letters from the string `"this is javascript programming place"`
    - Eliminate duplicate letters so that each character appears only once.
6. Search for a specific character in the string `"this is javascript programming place"`
    - Ask the user to input a character and check if it exists in the string.
7. Find the greatest and smallest characters from the string `"venugopaliyer"`
    - Identify the greatest and smallest characters based on ASCII values.
8. Count occurrences of a specific letter in the string `"this is javascript programming place"`
    - Ask the user for a letter and count how many times it appears in the string.

9. Replace "javascript" with "python" in the string "javascript developer javascript engineer javascript holder"

- Replace all occurrences of "javascript" with "python".

10. Print alternate letters from the string "How are you sir"

- Print every other letter, starting from the first one.

11. Create a formatted string using user inputs

- Example format: "Tom-Jerry Knife-Fork Batman-Robin Oggy-Cockroach Pakdam-Pakdai"
- Take pairs of words from the user and format them like above.

12. Convert the string "qwertyuiopasdfghjklzxcvbnm" to "abcdefghijklmnopqrstuvwxyz"

- Reorder the string to match the correct alphabetical sequence.