

LAPORAN PRAKTIKUM STRING



Disusun untuk Memenuhi Tugas

Mata Kuliah:

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PRODI SAINS DATA TERAPAN

Create pseudocode and flowchart for:

- Create program to make an initial

E.g Prasetyo Wibowo initial is PW

- Ask the user to enter the password

with:

- Password between 8-12 characters
- containing both lowercase, uppercase and number letters

Program to make initial name

Input: Full name

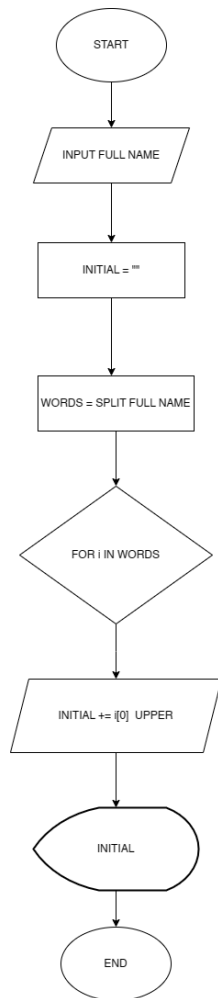
Process: Split name into initial_name, get first alphabet in every initial_name, Join every initial_name into one, Upper initial_name

Output: Initial name

Pseudocode

```
1. Input full_name
2. Set initial_name = ""
3. For each subname in full_name split
    Initial += subname[0]
4. UPPER initial
5. ENDWHILE
6. PRINT initial_name
```

Flowchart



Algoritma

Input: Password.

Process: While true len password between 8 dan 12 karakter. Check 1 uppercase, 1 lowercase, and 1 number

Output: Password valid or not valid

Pseudocode

1. INPUT password
2. IF LEN password < 8 OR LEN password > 12 THEN
3. DISPLAY "Password must be between 8-12 characters long."
4. ELSE IF NOT EXISTS LOWER(password) OR NOT EXISTS UPPER(password) OR NOT EXISTS NUMBER (password)
5. DISPLAY "Password must contain at least one lowercase letter, one uppercase letter, and one number."
6. ELSE

7. DISPLAY "Password is valid."
END

Flowchart

