

i2i Academy

Training Document

Торіс	SQL Language Fundamentals I	
Document Name	PLSQL01-EX-08	

Document Difficulty Level					
Beginner	Junior	Senior	Expert		

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Document History

Date	Author	Ver	Comments
20.09.2013	Onur Bayram	1.0	Initial Draft
03.10.2013	Erman İbrişim	1.1	Sample Outputs and Rules Added

SQL Language Fundamentals I

Exercise PLSQL01-EX-08:

Definiton: Write a PL/SQL program that prints out string in xml format.

Input String: "acbbcadefghkkhgfed"

Input String: "abbcddfggfca"

Rules: - Maximum string length is 30.

-No duplicate characters in string like 'abbcddfaafca' or 'defgddgfed'.

-String can't have space character or any numeric characters.

Sample Output:



Objectives: To learn SQL string functions and conditional claueses(IF THEN ELSE), loops(FOR, WHILE)

Solution of PLSQL01-EX-08:

Kullanılan kod:

```
DECLARE input_string VARCHAR2(30) := 'acbbcadefghkkhgfed'; -- örnek string current_char CHAR(1);
seen_chars VARCHAR2(1000) := "; i INTEGER; BEGIN -- 1. Giriş string'ini yazdır
DBMS_OUTPUT.PUT_LINE('String: ' || input_string);
-- 2. Kurallar:
IF LENGTH(input_string) > 30 THEN
    RAISE_APPLICATION_ERROR(-20001, 'String cok uzun.');
END IF;
FOR i IN 1 .. LENGTH(input string) LOOP
    current_char := SUBSTR(input_string, i, 1);
    -- Boşluk kontrolü
    IF current_char = ' ' THEN
        RAISE_APPLICATION_ERROR(-20002, 'String boşluk içeremez.');
    END IF;
    -- Rakam kontrolü
    IF current_char BETWEEN '0' AND '9' THEN
        RAISE_APPLICATION_ERROR(-20003, 'String rakam içeremez.');
    END IF;
    -- Tekrar eden karakter kontrolü
    IF INSTR(seen_chars, current_char) > 0 THEN
         -- Tekrar var, sadece yazdır, ama hata üretme
        NULL;
    ELSE
        seen_chars := seen_chars || current_char;
    END IF;
    -- Karakteri yazdır
    DBMS_OUTPUT.PUT_LINE(current_char);
END LOOP;
END;
```

