



Princess Sumaya University for Technology
King Hussein Faculty of Computing Sciences
Computer Science Department

Database System Lab
CS 11354
Semester: Spring 2022/2023
Lab Assignment # 10

Lab Exercises:

Q1: write a PL/SQL program that finds the summation of numbers between 10 and 50, print the final result

```
DECLARE
    start_num NUMBER := 10;
    end_num NUMBER := 50;
    sum NUMBER := 0;
BEGIN
    FOR i IN start_num..end_num LOOP
        sum := sum + i;
    END LOOP;
    dbms_output.put_line('The sum between 10 and 50 is ' || sum);
END;
```

Q2: write a PL/SQL program that finds the order number that has the highest quantity (use the order_items we used before), print the final result. You have to use loop in this question to find the highest quantity

```
DECLARE
    highest_quantity NUMBER := 0;
    highest_order_number NUMBER := NULL;
BEGIN
    FOR i IN (SELECT order_number, quantity
              FROM order_items)
    LOOP
        IF i.quantity > highest_quantity THEN
            highest_quantity := i.quantity;
            highest_order_number := i.order_number;
        END IF;
    END LOOP;
    dbms_output.put_line('The order number that has the highest quantity is ' || highest_order_number);
END;
```