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--Exercise 1
--a)
CREATE FUNCTION a(x integer)
RETURNS integer AS
$$
BEGIN
RETURN x+1;
END;
$$
LANGUAGE plpgsql;

SELECT a(5);

--b)
CREATE FUNCTION b(x1 numeric,x2 numeric)
RETURNS numeric AS
$$
BEGIN
RETURN x1+x2;
END;
$$
LANGUAGE plpgsql;

SELECT b(3,2);

--c)
CREATE FUNCTION c(x integer)
RETURNS bool AS
$$
BEGIN
IF x%2=0 THEN
    RETURN TRUE;
ELSE
    RETURN FALSE;
END IF;
END;
$$
LANGUAGE plpgsql;

SELECT c(98);

--d)
CREATE FUNCTION d(x varchar)
RETURNS bool AS
$$
BEGIN
IF LENGTH(x)>=8 THEN
    RETURN TRUE;
ELSE
    RETURN FALSE;
END IF;
END;
$$
LANGUAGE plpgsql;

SELECT d('Uali1234');

--e)
CREATE FUNCTION e(x integer,OUT x1 integer,OUT x2 integer)
RETURNS record AS
$$
BEGIN
x1:=x+6;
x2:=x*x;

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END;  
$$  
LANGUAGE plpgsql;  
SELECT * FROM e(5);
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