```sql
CREATE OR REPLACE FUNCTION get_customers(id1 integer, id2 integer)
RETURNS TABLE(address_id smallint, customer_id integer, first_name VARCHAR(45),
last_name VARCHAR(45)) AS
$$
BEGIN
        IF (id1<=0) AND (id2<=0)
                THEN  raise exception 'Start and end is negative' ;
        ELSE IF (id1<=0)
                THEN  raise exception 'Start is negative' ;
        ELSE IF (id2<=0)
                THEN  raise exception 'End is negative' ;
        ELSE IF (id1>600) AND (id2>600)
                THEN  raise exception 'Start and end is greater than 600' ;
        ELSE IF (id1>600)
                THEN  raise exception 'Start is greater than 600' ;
        ELSE IF (id2>600)
                THEN  raise exception 'End is greater than 600' ;
        ELSE IF (id1>id2)
                THEN  raise exception 'Start is greater than the end';
        ELSE
                RETURN QUERY
                        SELECT customer.address_id,
customer.customer_id,customer.first_name, customer.last_name
                        FROM customer
                        WHERE  customer.customer_id>=id1 AND
customer.customer_id<=id2
                        ORDER BY customer.address_id;
        END IF;
        END IF;
        END IF;
        END IF;
        END IF;
        END IF;
        END IF;
END;
$$
LANGUAGE plpgsql;
```

select get_customers(10,40);

	get_customers record
1	(14,10,Dorothy,Taylor)
2	(15,11,Lisa,Anderson)
3	(16,12,Nancy,Thoma...
4	(17,13,Karen,Jackso...
5	(18,14,Betty,White)
6	(19,15,Helen,Harris)

Data Output Explain Messages Notifications

select get_customers(-1,40);

Data Output Explain Messages Notifications

```
ERROR: ОШИБКА:   Start is negative
CONTEXT:  функция PL/pgSQL get_customers(integer,integer), строка 6, оператор RAISE



SQL state: P0001
```

select get_customers(-1,-40);

Data Output Explain Messages Notifications

```
ERROR: ОШИБКА:   Start and end is negative
CONTEXT:  функция PL/pgSQL get_customers(integer,integer), строка 4, оператор RAISE



SQL state: P0001
```

select get_customers(1,-40);

Data Output Explain Messages Notifications

```
ERROR: ОШИБКА:   End is negative
CONTEXT:  функция PL/pgSQL get_customers(integer,integer), строка 8, оператор RAISE



SQL state: P0001
```

select get_customers(100,40);

```
ERROR: ОШИБКА:   Start is greater than the end
CONTEXT:   функция PL/pgSQL get_customers(integer,integer), строка 16, оператор RAISE


SQL state: P0001
```

select get_customers(700,40);

```
ERROR: ОШИБКА:   Start is greater than 600
CONTEXT:   функция PL/pgSQL get_customers(integer,integer), строка 12, оператор RAISE


SQL state: P0001
```

select get_customers(10,700);

```
ERROR: ОШИБКА:   End is greater than 600
CONTEXT:   функция PL/pgSQL get_customers(integer,integer), строка 14, оператор RAISE


SQL state: P0001
```

select get_customers(700,800);

```
ERROR: ОШИБКА:   Start and end is greater than 600
CONTEXT:   функция PL/pgSQL get_customers(integer,integer), строка 10, оператор RAISE


SQL state: P0001
```