Create a multiply function that accepts two numbers and returns their .1 .product

Create a hello_world function that takes a name as input and returns a .2 .personalized welcome message for that name

Create a function that accepts a number and determines whether it is .3 .odd or even

```
task1=# create function odd_even (number int)
RETURNS char AS $$
BEGIN
    if number % 2 = 0 then
        RETURN 'Even';
    else
        RETURN 'Odd';
    end if;
end;
$$ LANGUAGE plpgsql
task1-#;
CREATE FUNCTION
task1=# select odd_even(20);
odd_even
Even
(1 row)
task1=#
```

Create a function that takes a Student ID as input and retrieves all .4 information related to that student

```
task1=# create function id_stu (number int)
RETURNS student AS $$
BEGIN
    return (select student from student where id=number);
end;
$$ LANGUAGE plpgsql
CREATE FUNCTION
task1=# select id_stu(2);
                        id stu
 (2,"Sara Hany",sara@iti.com,Giza,2,1990-08-23,Female)
(1 row)
task1=# select id_stu(1);
                          id stu
 (1,"Ahmed Shawky",ahmed@iti.com,Cairo,1,1995-01-10,Male)
(1 row)
task1=#
```

Implement a function that takes the name of a subject and calculates .5 .the average grades for that subject

```
task1=# CREATE OR REPLACE FUNCTION subject_ave(subject_name text)
RETURNS float AS $$
BEGIN
  RETURN (
SELECT AVG(grades.grade)
    FROM grades

JOIN subject ON grades.sub_id = subject.id
   WHERE subject.sub_name = subject_name
END;
$$ LANGUAGE plpgsql;
CREATE FUNCTION
task1=# select subject_ave('Python');
subject_ave
          84
(1 row)
task1=# select subject_ave('HTML');
subject_ave
          85
(1 row)
task1=#
```