Task 2 - SQL Task

1. Return Employee record with highest salary:

```
select * from employee
  where salary = (select max(salary) from employee);
```

2. Return the highest salary in employee table

```
select max(salary) from employee;
```

3. Return 2nd highest salary from employee table

```
select max(salary) from employee
  where salary < (select max(salary) from employee);
```

4. Select range of employees based on id

```
select * from employee where emp_id  between 10001 and 10007
```

5. Return an employee with highest salary and the employee's department name

```
select e.*, d.department_name
  from employee as e
  inner join department as d on (e.department_id = d.department_id)
  where e.salary = (select max(salary) from employee);
```

6. Return highest salary, employee_name, department_name for EACH department

```
select * from (
    select e.*, d.department_name from employee as e
     inner join department as d on (e.department_id = d.department_id)
     order by e.salary DESC
  ) as ordered
  group by department_name;
```