Here is a set of data for our Example Company (Ltd)!

Copy over the dataset to a new file called `employee_data.py`, and write the solution of the tasks seen below in that file!

```
employees = [
    {
        "first_name":"Jose",
        "last_name":"Lopez",
        "email":"joselopez0944@example.com",
        "age":25,
        "job_title":"Project Manager",
        "years_of_experience":1,
        "salary":8500,
        "department":"Product"
    },
    {
        "first_name":"Diane",
        "last_name":"Carter",
        "email":"dianecarter1228@example.com",
        "age":26,
        "job_title":"Machine Learning Engineer",
        "years_of_experience":2,
        "salary":7000,
        "department":"Product"
    },
    {
        "first_name":"Shawn",
        "last_name":"Foster",
        "email": None,
        "age":37,
        "job_title":"Customer Service Rep",
        "years_of_experience":14,
        "salary":17000,
        "department":"Business"
    },
    {
        "first_name":"Brenda",
        "last_name":"Fisher",
        "email":"brendafisher3185@example.com",
        "age":31,
        "job_title":"Web Developer",
        "years_of_experience":8,
```

```
        "salary":10000,
        "department":"Product"
    },
    {
        "first_name":"Sean",
        "last_name":"Hunter",
        "email": None,
        "age":35,
        "job_title":"Project Manager",
        "years_of_experience":11,
        "salary":14500,
        "department":"Product"
    },
    {
        "first_name":"Joshua",
        "last_name":"Jacobs",
        "email":"joshuajacobs5904@example.com",
        "age":28,
        "job_title":"Project Manager",
        "years_of_experience":3,
        "salary":10500,
        "department":"Business"
    },
    {
        "first_name":"Brianna",
        "last_name":"Marshall",
        "email":None,
        "age":33,
        "job_title":"Machine Learning Engineer",
        "years_of_experience":10,
        "salary":11000,
        "department":"Product"
    },
    {
        "first_name":"John",
        "last_name":"Tate",
        "email":"johntate7881@example.com",
        "age":33,
        "job_title":"Mobile Developer",
        "years_of_experience":10,
        "salary":11000,
        "department":"Product"
    },
    {
        "first_name":"Jillian",
        "last_name":"Byrd",
        "email":None,
        "age":34,
```

```
        "job_title":"Business Analyst",
        "years_of_experience":10,
        "salary":11000,
        "department":"Business"
    },
    {
        "first_name":"Melanie",
        "last_name":"Sharp",
        "email":"melaniesharp9256@example.com",
        "age":41,
        "job_title":"Web Developer",
        "years_of_experience":15,
        "salary":14500,
        "department":"Product"
    },
    {
        "first_name":"Brandy",
        "last_name":"Mckee",
        "email":None,
        "age":37,
        "job_title":"Marketing Manager",
        "years_of_experience":14,
        "salary":14000,
        "department":"Business"
    },
    {
        "first_name":"Robert",
        "last_name":"Simpson",
        "email":"robertsimpson11778@example.com",
        "age":36,
        "job_title":"Marketing Manager",
        "years_of_experience":12,
        "salary":15000,
        "department":"Business"
    },
    {
        "first_name":"George",
        "last_name":"Mckenzie",
        "email":"georgemckenzie12384@example.com",
        "age":28,
        "job_title":"Machine Learning Engineer",
        "years_of_experience":4,
        "salary":10000,
        "department":"Product"
    },
    {
        "first_name":"Joseph",
        "last_name":"Smith",
```

```
        "email":None,
        "age":40,
        "job_title":"Machine Learning Engineer",
        "years_of_experience":14,
        "salary":14000,
        "department":"Product"
    },
    {
        "first_name":"Dana",
        "last_name":"Crawford",
        "email":"danacrawford14310@example.com",
        "age":32,
        "job_title":"Project Manager",
        "years_of_experience":8,
        "salary":12000,
        "department":"Product"
    },
    {
        "first_name":"Christopher",
        "last_name":"Benson",
        "email":None,
        "age":29,
        "job_title":"Web Developer",
        "years_of_experience":5,
        "salary":7500,
        "department":"Product"
    },
    {
        "first_name":"Nicole",
        "last_name":"Smith",
        "email":"nicolesmith16360@example.com",
        "age":26,
        "job_title":"Designer",
        "years_of_experience":4,
        "salary":10000,
        "department":"Product"
    },
    {
        "first_name":"Peter",
        "last_name":"Jimenez",
        "email":"peterjimenez17791@example.com",
        "age":28,
        "job_title":"UX Designer",
        "years_of_experience":3,
        "salary":6500,
        "department":"Business"
    },
    {
```

```
        "first_name":"Sergio",
        "last_name":"Boyle",
        "email":"sergioboyle18425@example.com",
        "age":31,
        "job_title":"Tester",
        "years_of_experience":6,
        "salary":9000,
        "department":"Product"
    },
    {
        "first_name":"Brianna",
        "last_name":"Moss",
        "email":None,
        "age":31,
        "job_title":"Designer",
        "years_of_experience":5,
        "salary":10500,
        "department":"Product"
    },
    {
        "first_name":"Taylor",
        "last_name":"Garner",
        "email":"taylorgarner20196@example.com",
        "age":32,
        "job_title":"Machine Learning Engineer",
        "years_of_experience":6,
        "salary":11000,
        "department":"Product"
    },
    {
        "first_name":"Michael",
        "last_name":"Padilla",
        "email":"michaelpadilla21381@example.com",
        "age":29,
        "job_title":"Customer Service Rep",
        "years_of_experience":5,
        "salary":9500,
        "department":"Business"
    },
    {
        "first_name":"Yvette",
        "last_name":"Walker",
        "email":None,
        "age":26,
        "job_title":"Designer",
        "years_of_experience":2,
        "salary":7000,
        "department":"Product"
```

```
    },
    {
        "first_name":"Kristina",
        "last_name":"Pena",
        "email":"kristinapena23750@example.com",
        "age":34,
        "job_title":"Business Analyst",
        "years_of_experience":11,
        "salary":12500,
        "department":"Business"
    }
]
```

Tasks:

1. Print the name of the person who has the highest salary at the company.
2. Print the combined years of experience of all employees at the company.
3. Some people don't have an email address - collect their details into a new list!
4. Which one costs more for the company - Product department salaries or Business department salaries?

Extensions: 5. What is the average salary for people over 30 years of age? 6. Create a new `dict` and calculate how many people are working with certain job titles. (HARD) Example: `{"Project Manage": 4, "Machine Learning Engineer": 3, ...}`