PHASE # 1 – EMPLOYEE DEMOGRAPHICS

- QUESTION # 1 – WHAT ARE THE TOTAL NUMBER OF EMPLOYEES?
- QUESTION # 2 – WHAT ARE THE GENDER TOTALS OF EMPLOYEES?
- QUESTION # 3 – WHAT ARE THE RACE TOTALS OF EMPLOYEES?
- QUESTION # 4 – WHAT IS THE CURRENT AGE DISTRIBUTION OF EMPLOYEES?
- QUESTION # 5 – WHAT IS THE AVERAGE AGE AT HIRE?
- QUESTION # 6 – WHAT IS THE AVERAGE YEARS WORKED?

REQUIREMENTS:
All visuals must be able to filter on Level and Job Family
List of Functional Job Titles filtered by Level and/or Job Family

SQL code for exporting employee data

```
USE portfolio;
SELECT e.*, p.functional_job_title, p.job_family_code, jf.job_family_name, jl.level_name,
TIMESTAMPDIFF(YEAR, birthdate, hire_date) AS age_at_hire, -- Add age EE was hired
TIMESTAMPDIFF(YEAR, birthdate, CURDATE()) AS current_age, -- Add EEs current age
TIMESTAMPDIFF(YEAR, hire_date, CURDATE()) AS years_worked -- Add years worked
FROM employees e
INNER JOIN position p
        ON e.position_number = p.position_number
LEFT JOIN job_family jf
        ON p.job_family_code = jf.job_family_code
LEFT JOIN job_level jl
        ON p.level_code = jl.level_code
WHERE e.position_number != '99999999'; -- exclude position 99999999 employees
```

TABLEAU – calculated fields

```
IF [Age At Hire]>=17 AND [Age At Hire]<20 THEN '18-19'
ELSEIF [Age At Hire]>=20 AND [Age At Hire]<30 THEN '20-29'
ELSEIF [Age At Hire]>=30 AND [Age At Hire]<40 THEN '30-39'
ELSEIF [Age At Hire]>=40 AND [Age At Hire]<50 THEN '40-49'
ELSEIF [Age At Hire]>=50 AND [Age At Hire]<60 THEN '50-59'
ELSEIF [Age At Hire]>=60 AND [Age At Hire]<70 THEN '60-69'
ELSEIF [Age At Hire]>=70 AND [Age At Hire]<100 THEN '70+'
END
```