

**1. What is the overall trend in tech layoffs for the different countries and how do percentage layoffs fluctuate over the years?**

```
SELECT
  Country,
  Year_1,
  AVG (Laid_Off) AS Avg_Yearly_layoff,
  AVG (Percentage) AS Avg_Percentage
FROM
  my-data-project-401909.Tech_Data.Lay_Offs
WHERE
  Country IS NOT NULL
GROUP BY
  Country,
  Continent,
  Year_1
ORDER BY
  Year_1 DESC
```

**2. How does the company size before and after layoffs correlate with the laid-off percentages?**

```
SELECT
  Company_Size_before_Layoffs,
  Company_Size_after_layoffs,
  AVG (Laid_Off) AS laid_off_average
FROM
  my-data-project-401909.Tech_Data.Lay_Offs
GROUP BY
  Company_Size_before_Layoffs,
  Company_Size_after_layoffs
ORDER BY
  laid_off_average DESC
LIMIT 20
```

**3. Can we identify any patterns in total number of layoff's based on industry and stage?**

```
SELECT
  Industry,
  Stage,
  SUM (Laid_Off) AS Total_Number_Laidoff
FROM
  my-data-project-401909.Tech_Data.Lay_Offs
GROUP BY
  Industry,
  Stage
ORDER BY
  Total_Number_Laidoff DESC
```

```
LIMIT 50
```

**4. Categorize companies that raised more than as well as less than \$20 million. How do they correlate to Industry and stage?**

```
SELECT DISTINCT
  Company,
  Money_Raised_in___mil,
  Industry,
  Stage,
  CASE
    WHEN Money_Raised_in___mil > 50000 THEN 'High_Revenue'
    WHEN Money_Raised_in___mil > 20000 THEN 'Moderate_Revenue'
    ELSE 'Low_Revenue'
  END AS Revenue_Category
FROM
  my-data-project-401909.Tech_Data.Lay_Offs
ORDER BY
  Money_Raised_in___mil DESC
LIMIT 10
```

**5. What is the average size after layoffs and which companies are operating 50% below that threshold?**

```
SELECT
  Company,
  Company_Size_after_Layoffs
FROM
  my-data-project-401909.Tech_Data.Lay_Offs
WHERE
  Company_Size_after_Layoffs < 0.5 *
  (
    SELECT
      AVG (Company_Size_after_layoffs) AS Average_Size_after_Layoff
    FROM
      my-data-project-401909.Tech_Data.Lay_Offs
  )
ORDER BY
  Company_Size_after_Layoffs DESC
LIMIT 10
```