EXP.NO:2b	SALARIESANALYSISOFITEXPERTS	Name:
DATE:		Roll no:

AIM:

To analyze salary distribution of IT experts based on experience, location, and job role, uncovering trends and disparities within the industry.

PROCEDURE:

STEP 1: Load the given excel workbook into the Power BI window.

STEP 2: Then perform the necessary transformation actions.

1) Change the Unnamed column to emp_id with same details.

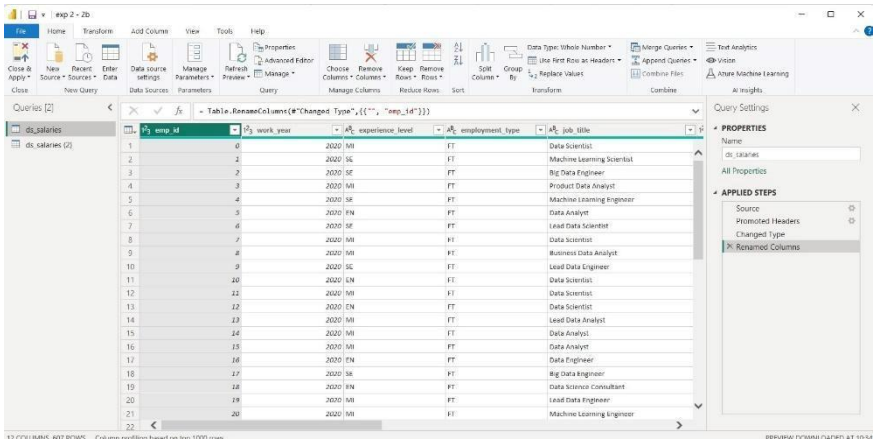
PROCEDURE:

STEP 1: In the transform data double click the column name.

STEP 2: Then enter the new name as emp_ id.

STEP 3: After it, click the apply button.

OUTPUT:



INFERENCE:

From the above visualization unnamed column is changed to the emp_ id

2)Categorize the number of employees-based on employment type.

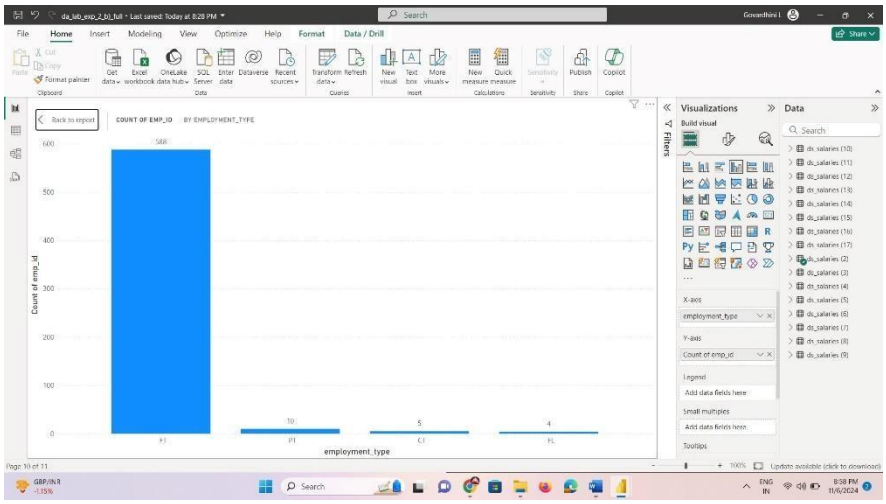
PROCEDURE:

STEP 1: In the report view select a stacked column chart.

STEP 2: Then in the X-axis, drag the employment_ type.

STEP 3: After it, drag count of emp_ id into the Y-axis.

OUTPUT:



INFERENCE:

From the above visualization I infer the number of employees-based on employment type

1) In FT count of employees is 588 and In PT count of employees is 10

2) In CT count of employees is 5 and In FL count of employees is 4

3) **Which nations give the highest average salaries to employees working in the Machine Learning industry.**

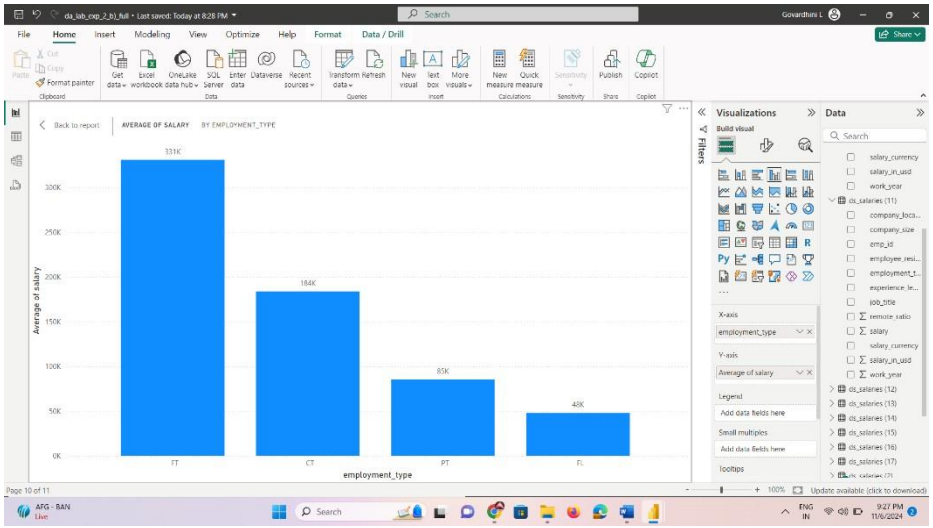
PROCEDURE:

STEP 1: In the model view select a column chart.

STEP 2: Then in the X-axis dragemployment _ type.

STEP 3: After it, drag Average of salary into the Y-axis.

OUTPUT:



INFERENCE:

From the above visualization highest average salaries to employees working in the Machine Learning industry is 48000.00.

4) **Categorize the count of salary of employee based on employee type.**

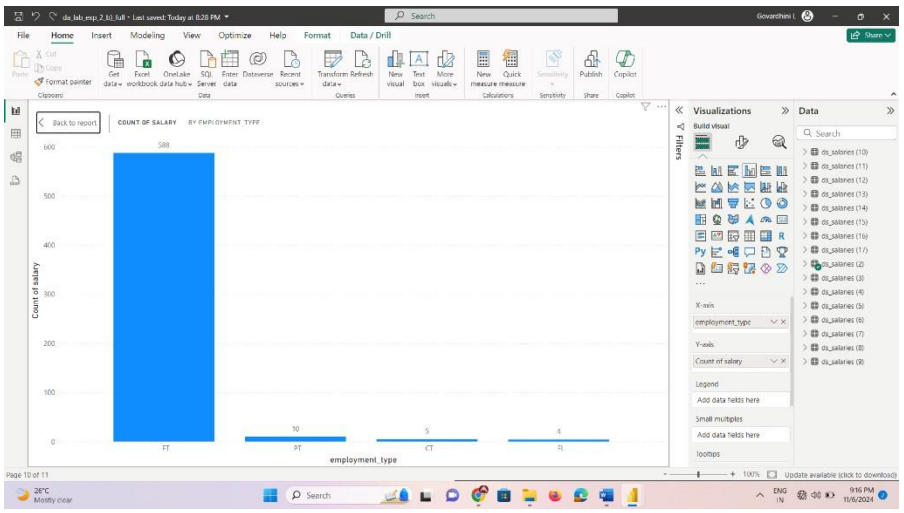
PROCEDURE:

STEP 1: In the report view select a clustered column chart.

STEP 2: Then in the X-axis, drag the employment _ type.

STEP 3: After it, drag count of salary into theY-axis .

OUTPUT:



INFERENCE:

From the above visualization the count of salary ofemployee based on employee type

1) In FT count of salary is 588 and In PT count of salary is 10
2) In CT count of employees is 5 and In FL count of employees is 4 **5)What is the**

maximum, minimum and average salary of freelancers.

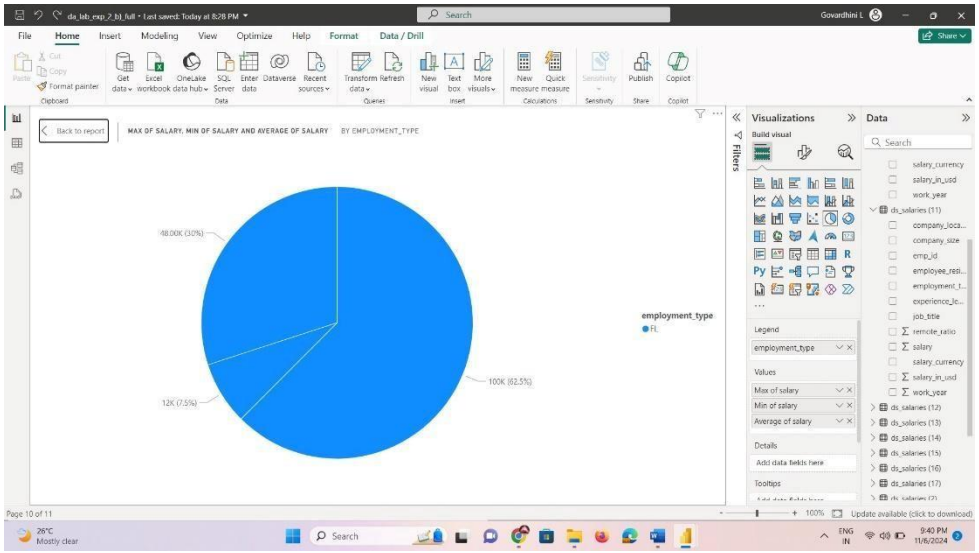
PROCEDURE:

STEP 1: In the model view select a column chart.

STEP 2: Then in the Legend dragemployment _ type.

STEP 3: After it, drag Average of salary, Min and Max salary into the values.

OUTPUT:



INFERENCE:

From the above visualizationthe maximum, minimum and average salary of freelancers is Max is 100000 , Min is 12000 and Average is 48000.00

6) What is the total sum paid by company to the part time workers.

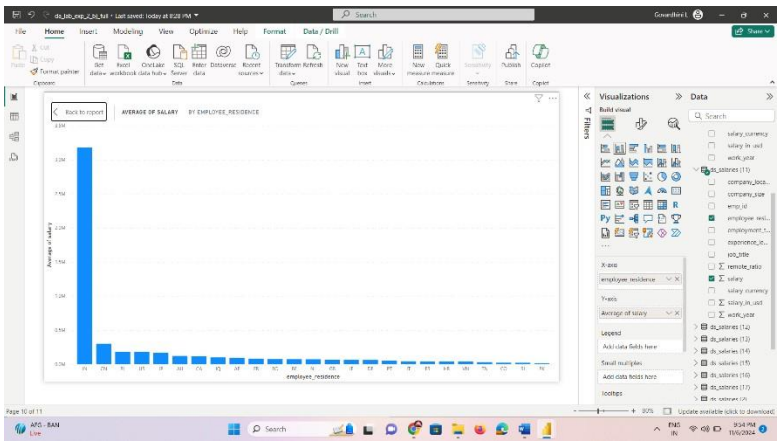
PROCEDURE:

STEP 1: In the report view select a column chart.

STEP 2: Then in employee_ residence in X- axis.

STEP 3: After it, drag Average salary in Y-axis.

OUTPUT:



INFERENCE:

From the above visualizationthe total sum paid by company to the part time workers is 48500.00.

7)Which company location have a maximum, minimum count of full-time employees.

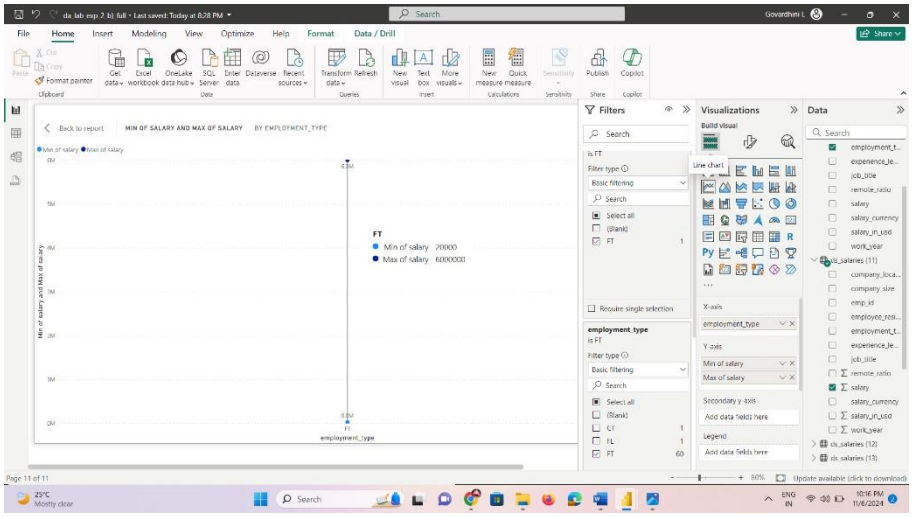
PROCEDURE:

STEP 1: In the report view select a line chart.

STEP 2: Then in drag employment_ type in X-axis.

STEP 3: After it, drag min and max salary in Y-axis.

OUTPUT:



INFERENCE:

From the above visualizationmaximum, minimum count of full-time employees is 6000000 and 20000

8) In which location, parttime employee average salary is low.

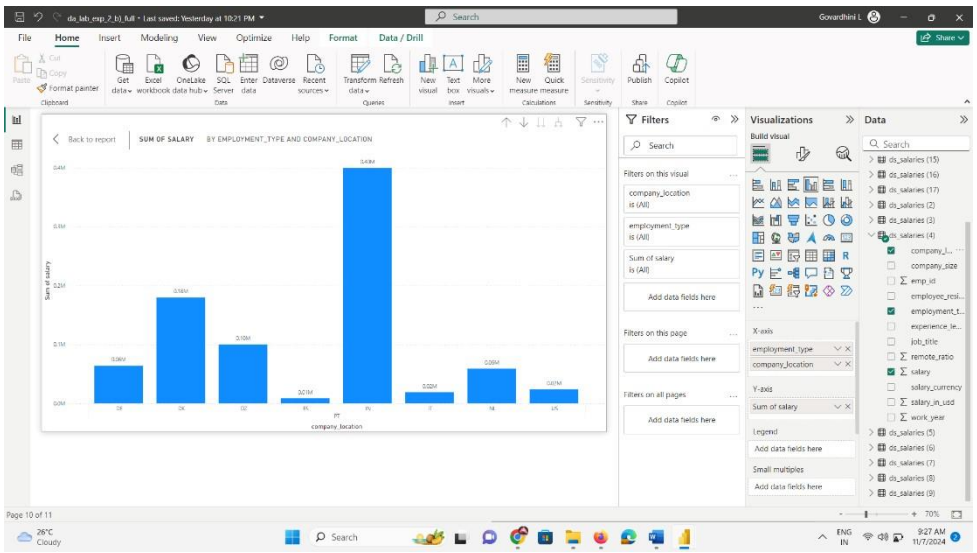
PROCEDURE:

STEP 1: In the report view select a column chart.

STEP 2: Then drag the employment_ type and company_ location in X-axis .

STEP 3: After it, drag salary in Y-axis.

OUTPUT:



INFERENCE:

From the above visualization in ES location parttime employee average salary is low

9)Visualize in an appropriate chart for with company location with company size .

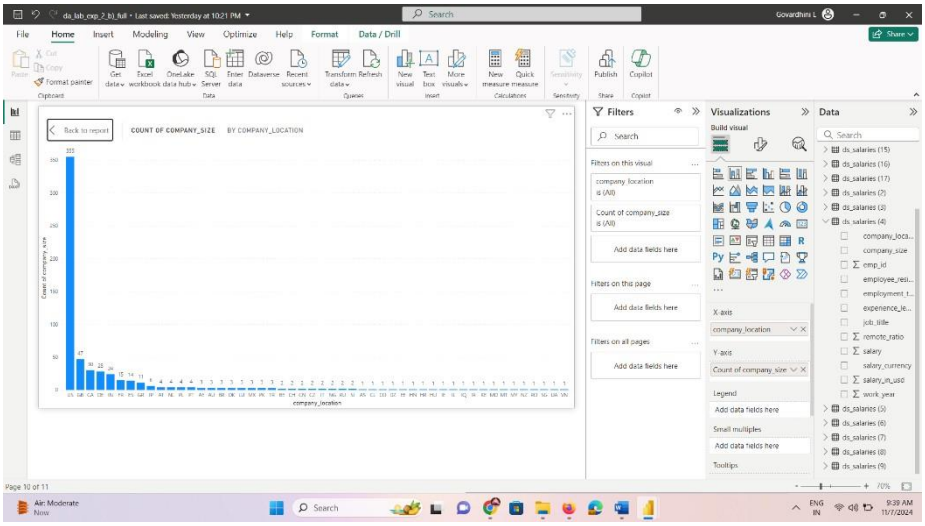
PROCEDURE:

STEP 1: In the report view select a column chart.

STEP 2: Then in the X-axis, drag the company_ location.

STEP 3: After it, drag count of company _size.

OUTPUT:



INFERENCE:

From the above visualizationUS have highest count of company size and UA , SG,VN,AS,CL have lowest count of company size

10) How many percentages of data scientist are full time workers in US.

PROCEDURE:

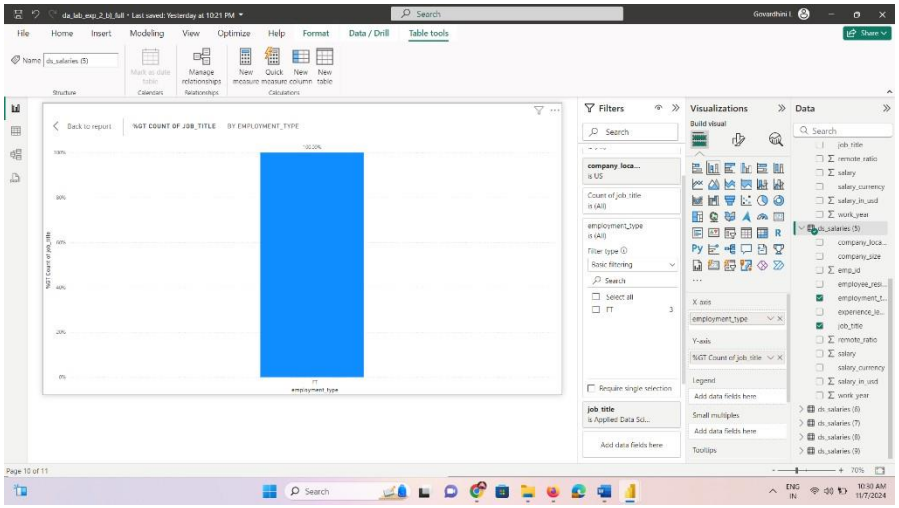
STEP 1: In the report view select a column chart.

STEP 2: Then in the Y-axis, drag the job _title by using the filter option drag the job title into it and select data scientist .

STEP 3: After it, drag employment _type into the X-axis byusing the filter option drag the employment _type into it and select full time.

STEP 4: In the filter drag the company location and select the US.

OUTPUT:



INFERENCE:

From the above visualization100% in percentages of data scientist are full time workers in US.

11)What is the total sum paid by company based on employment type and visualizing using tree map chart.

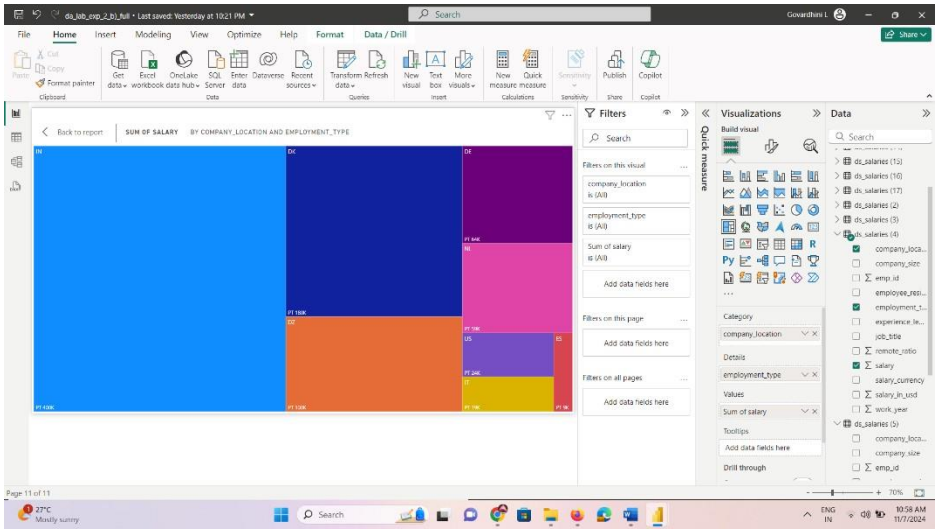
PROCEDURE:

STEP 1: In the report view select a Tree map .

STEP 2: Then in the category, drag the company location.

STEP 3: After it, drag employment type into the Details and drag sum of salary to values.

OUTPUT:



INFERENCE:

From the above visualization show the sum paid by the company to the employment type

12) Find the total number of employees in different job title residing at US

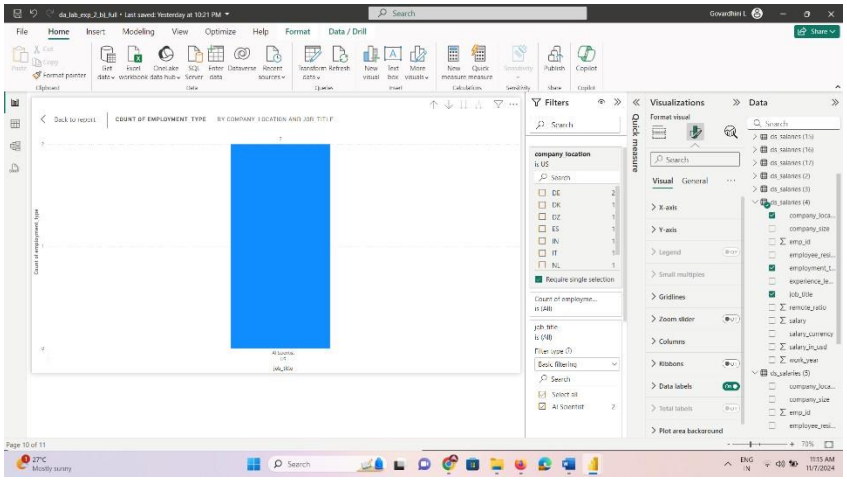
PROCEDURE:

STEP 1: In the report view select a column chart .

STEP 2: Then in the X-axis, drag the company location and job title .

STEP 3: After it, drag employment type into the Y- axis.

OUTPUT:



INFERENCE:

From the above visualizationthe total number of employees is 2 in different job title residing at US.

13)Get top ten employee id who is getting paid more than 90000 USD on a largescale company locating at DE

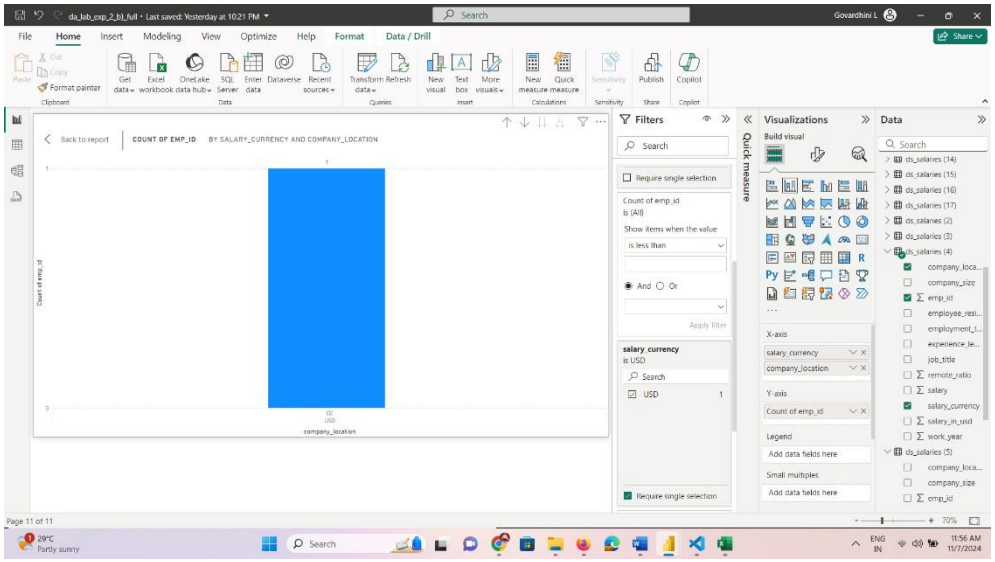
PROCEDURE:

STEP 1: In the report view select a column chart .

STEP 2: Then in the X-axis, drag the company location and salary_ currency apply filter on it.

STEP 3: After it, drag employee id into the Y- axis.

OUTPUT:



INFERENCE:

From the above visualizationemployee id count is 1 and sum is 487 is getting paid more than 90000 USD on a largescale company locating at DE

14. Find the total number of employees who is getting paid by euros

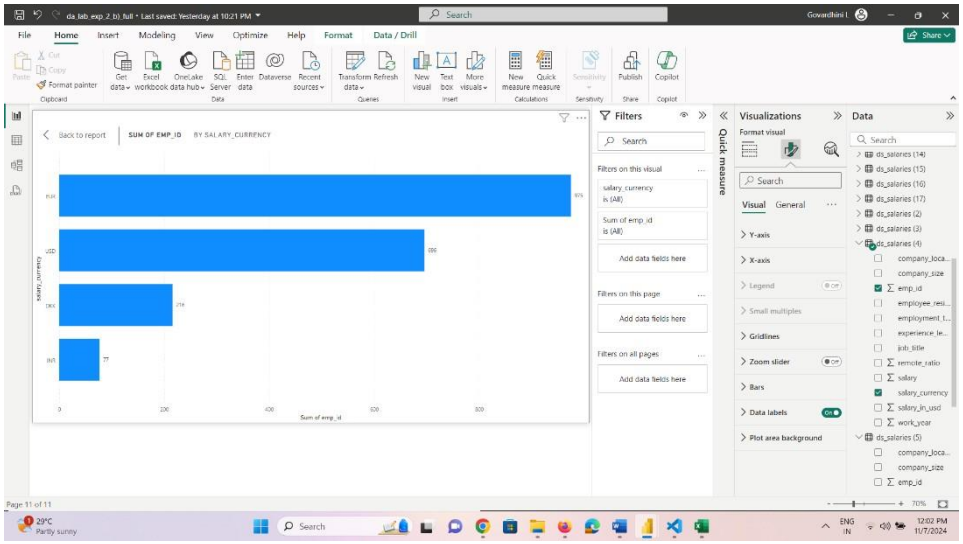
PROCEDURE:

STEP 1: In the report view select a column chart .

STEP 2: Then in the X-axis, drag the sum od emp_ id.

STEP 3: After it, drag salary currency into the Y- axis

OUTPUT:



INFERENCE:

From the above visualizationthe total number of employees is 975getting paid byeuros

15. Find the total number of employees who is getting paid by salary currency and visualize and appropriate chart

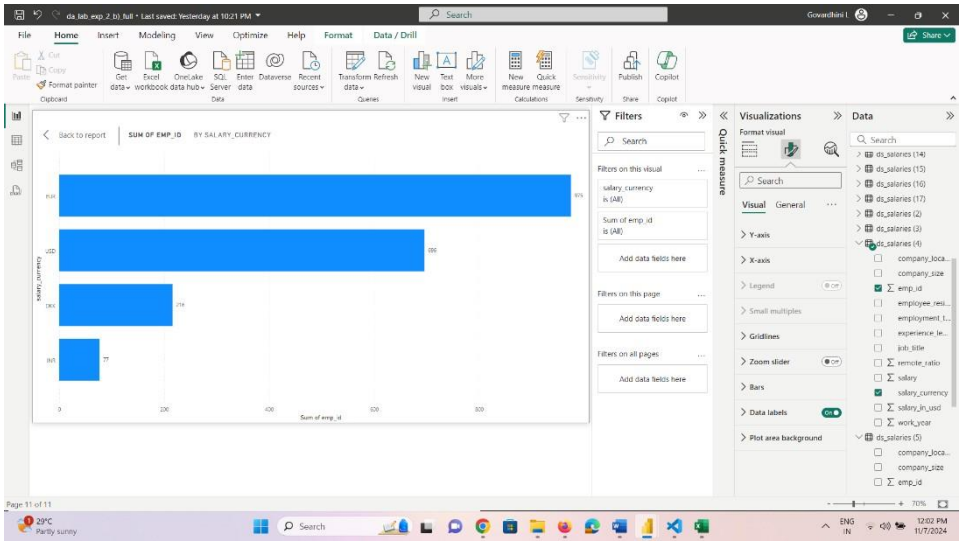
PROCEDURE:

STEP 1: In the report view select a column chart .

STEP 2: Then in the X-axis, drag the sum od emp_ id.

STEP 3: After it, drag salary currency into the Y- axis.

OUTPUT:



INFERENCE:

From the above visualizationthe total number of employees is 975getting paid by EUR and 696 by USD , 216 by DKK and 77 by INR

RESULT:

Hence analyse salary trends of IT experts by visualizing average salaries across experience levels, locations, and job roles to reveal disparities and industry insights successfully.

Marks given		**Marks obtained**
COE	**25**	
RECORD	**15**	
VIVA	**10**	
TOTAL	**50**	