## **Impoting Libraries**

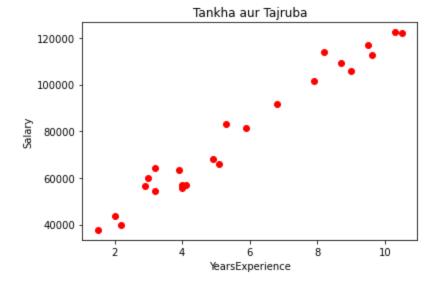
```
In [5]:
          import pandas as pd
         import numpy as np
         from sklearn.linear model import LinearRegression
In [2]:
         df = pd.read csv(r"C:\Users\hp\Documents\Datasets\Salary Data.csv")
         df.head()
Out[2]:
           YearsExperience
                          Salary
         0
                     1.1 39343.0
                     1.3 46205.0
         1
         2
                    1.5 37731.0
                    2.0 43525.0
                    2.2 39891.0
In [29]:
         reg = LinearRegression()
In [30]:
         X = df[["YearsExperience"]]
         Y = df["Salary"]
In [36]:
         from sklearn.model selection import train test split
        splitting data
```

```
In [37]: X_train, X_test, Y_train, Y_test = train_test_split(X, Y, test_size=0.2, random_state=2)

In [40]: import matplotlib.pyplot as plt

In [42]: plt.scatter(X_train, Y_train, color="red")
    plt.xlabel("YearsExperience")
    plt.ylabel("Salary")
    plt.title("Tankha aur Tajruba")

Out[42]: Text(0.5, 1.0, 'Tankha aur Tajruba')
```



## **Predicting Model**

Collecting notebook-as-pdfNote: you may need to restart the kernel to use updated package s.

Downloading notebook as pdf-0.5.0-py3-none-any.whl (6.5 kB)

Requirement already satisfied: pyppeteer in c:\users\hp\anaconda3\lib\site-packages (from notebook-as-pdf) (0.2.2)

Collecting PyPDF2

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rom jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert->notebook-as-pdf) (21.2.0)
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m jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert->notebook-as-pdf) (1.16.0)
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Requirement already satisfied: tqdm<5.0.0,>=4.42.1 in c:\users\hp\anaconda3\lib\site-packa

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s (from PyPDF2->notebook-as-pdf) (3.10.0.2)

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```
qdm<5.0.0,>=4.42.1->pyppeteer->notebook-as-pdf) (0.4.4) Installing collected packages: PyPDF2, notebook-as-pdf Successfully installed PyPDF2-2.6.0 notebook-as-pdf-0.5.0
```

```
In [57]:
```

```
!pyppeteer-install
```

[W:pyppeteer.chromium\_downloader] start chromium download. Download may take a few minutes.

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26%|##6
              | 36280320/136913619 [00:27<01:14, 1356718.51it/s]
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27%|##6
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              | 37089280/136913619 [00:28<01:12, 1383183.03it/s]
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31%|###1
32%|###1
32%|###2
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         | 51937280/136913619 [00:36<00:45, 1/10__ | 52183040/136913619 [00:36<01:00, 1399804.09it/s]
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38%|###8
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41%|####
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47%|####6
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            [ 64122880/136913619 [00:48<02:02, 592328.98it/s]
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             | 64880640/136913619 [00:48<01:06, 1075416.67it/s]
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50%|#####
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           | 75714560/136913619 [01:00<00:36, 1696916.19it/s]
56% | #####5
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56%|#####6 | 77332480/136913619 [01:03<01:29, 667378.73it/s]
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