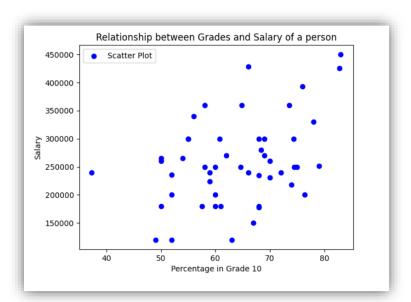
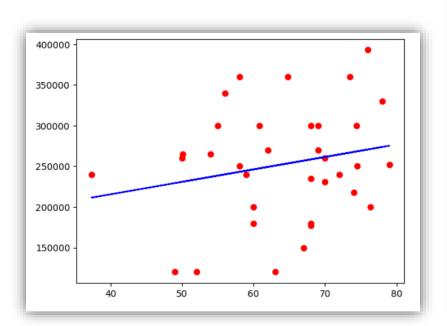
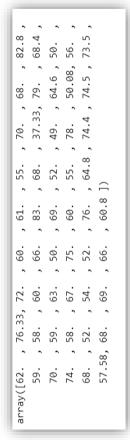
Dtype	int64	float64	int64	
Non-Null Count Dtype	50 non-null	50 non-null	50 non-null	
# Column	0 S. No.	1 Percentage in Grade 10 50 non-null	2 Salary	dtypes: float64(1), int64(2) memory usage: 1.3 KB

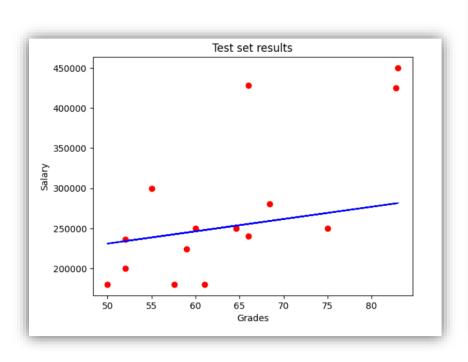
Salary	50.000000	258192.000000	76715.790993	120000.000000	204500.000000	250000.000000	300000.000000	450000.000000
Percentage in Grade 10	50.00000	63.922400	9.859937	37.330000	57.685000	64.700000	70.00000	83.000000
S. No.	50.00000	25.50000	14.57738	1.00000	13.25000	25.50000	37.75000	50.00000
	count	mean	std	min	25%	20%	75%	max



	S. No.	Percentage in Grade 10	Salary
0	1	62.00	270000
1	2	76.33	200000
2	3	72.00	240000
3	4	60.00	250000
4	5	61.00	180000
5	6	55.00	300000
6	7	70.00	260000
7	8	68.00	235000
8	9	82.80	425000
9	10	59.00	240000







Estimated model slope: [[1531.19677393]]
Estimated model intercept: (array([154314.07287032]),)

R2 Score = 0.1752137203291072 RMSE = 80182.60018806695

	Empid	Ename	Salary	DOJ
0	1001	Ganesh	1000.00	10-10-2000
2	1003	Gaurav	NaN	03-03-2002
4	1005	Laxmi Prasanna	12000.75	10-08-2000

0	1001
1	1002
2	1003
3	1004
4	1005
5	1006
Name	e: Empid, dtype: int64

0 1001 Ganesh 1 1002 Anil 2 1003 Gaurav 3 1004 Hema Chandra 4 1005 Laxmi Prasanna 5 1006 Anant		Empid	Ename
2 1003 Gaurav 3 1004 Hema Chandra 4 1005 Laxmi Prasanna	0	1001	Ganesh
3 1004 Hema Chandra 4 1005 Laxmi Prasanna	1	1002	Anil
4 1005 Laxmi Prasanna	2	1003	Gaurav
	3	1004	Hema Chandra
5 1006 Anant	4	1005	Laxmi Prasanna
	5	1006	Anant

Dimensions of the original frame (6, 4)

Dimensions of the frame with duplicates (12, 4)

Dimensions of the frame after removing duplicates (6, 4)

```
EMPID ENAME SALARY DOJ

0 False False False False

1 False False False False

2 False False True False

3 False False False False

4 False False False False

5 False False False False

The no. of nulls in each column is

EMPID 0

ENAME 0

SALARY 1

DOJ 0

dtype: int64
```

Highest Salary is 23000.5 Lowest Salary is 1000.0
 EMPID
 ENAME
 SALARY
 DOJ

 1
 1002
 Anil
 23000.5
 3/20/2002

EMPID ENAME
1 1002 Anil

EMPID ENAME

1 1002 Anil

Average Salary is 12500.348

1 Anil3 Hema Chandra

Name: ENAME, dtype: object

Data columns (total 4 columns): # Column Non-Null Count Dtype --- ----- ------0 Empid 6 non-null int64
1 Ename 6 non-null object
2 Salary 5 non-null float64
3 DOJ 6 non-null datetime64[ns] dtypes: datetime64[ns](1), float64(1), int64(1), object(1)memory usage: 240.0+ bytes Frame before sorting Empid Ename Salary 0 1001 Ganesh 1000.00 2000-10-10 Anil 23000.50 2002-03-20 1 1002 2 1003 Gaurav NaN 2002-03-03 3 1004 Hema Chandra 16500.50 2000-09-10 1005 Laxmi Prasanna 12000.75 2000-10-08 Anant 9999.99 1999-09-09 5 1006 Frame after sorting Empid Ename Salary DOJ Anant 9999.99 1999-09-09 5 1006 3 1004 Hema Chandra 16500.50 2000-09-10 4 1005 Laxmi Prasanna 12000.75 2000-10-08 0 1001 Ganesh 1000.00 2000-10-10 2 1003 Gaurav NaN 2002-03-03 Anil 23000.50 2002-03-20 1002

	Empid	Ename	Salary	DOJ
1	1002	Anil	23000.50	2002-03-20
2	1003	Gaurav	NaN	2002-03-03
0	1001	Ganesh	1000.00	2000-10-10
4	1005	Laxmi Prasanna	12000.75	2000-10-08
3	1004	Hema Chandra	16500.50	2000-09-10
5	1006	Anant	9999.99	1999-09-09

	Empid	Ename	Salary	DOJ
1	1002	Anil	23000.50	2002-03-20
2	1003	Gaurav	NaN	2002-03-03
0	1001	Ganesh	1000.00	2000-10-10
4	1005	Laxmi Prasanna	12000.75	2000-10-08
3	1004	Hema Chandra	16500.50	2000-09-10
5	1006	Anant	9999.99	1999-09-09

а	1	
b	2	
С	3	
d	4	
e	5	
dty	pe:	int64
а	1	
b	2	
С	3	
dty	pe:	int64

	Name	Age
0	Alex	10
1	Bob	12
2	Clarke	13

	Name	Age
0	Tom	28
1	Jack	34
2	Steve	29
3	Ricky	42

	Name	Age
rank1	Tom	28
rank2	Jack	34
rank3	Steve	29
rank4	Ricky	42

	а	b	С
0	1	2	NaN
1	5	10	20.0

	а	Ь	
first	1	2	
second	5	10	
	а	b1	
first	1	NaN	
second	5	NaN	
200114	_		

	one	two
а	1.0	1
b	2.0	2
С	3.0	3
d	NaN	4

```
Our dataframe is:
 one two three
a 1.0 1 10.0
b 2.0 2 20.0
      3 30.0
c 3.0
d NaN 4 NaN
Deleting the first column using DEL function:
 two three
a 1 10.0
b 2 20.0
c 3 30.0
d 4 NaN
Deleting another column using POP function:
 three
a 10.0
b 20.0
c 30.0
   NaN
```