

**VIDHI ROHIRA**

**SY BTECH CE**

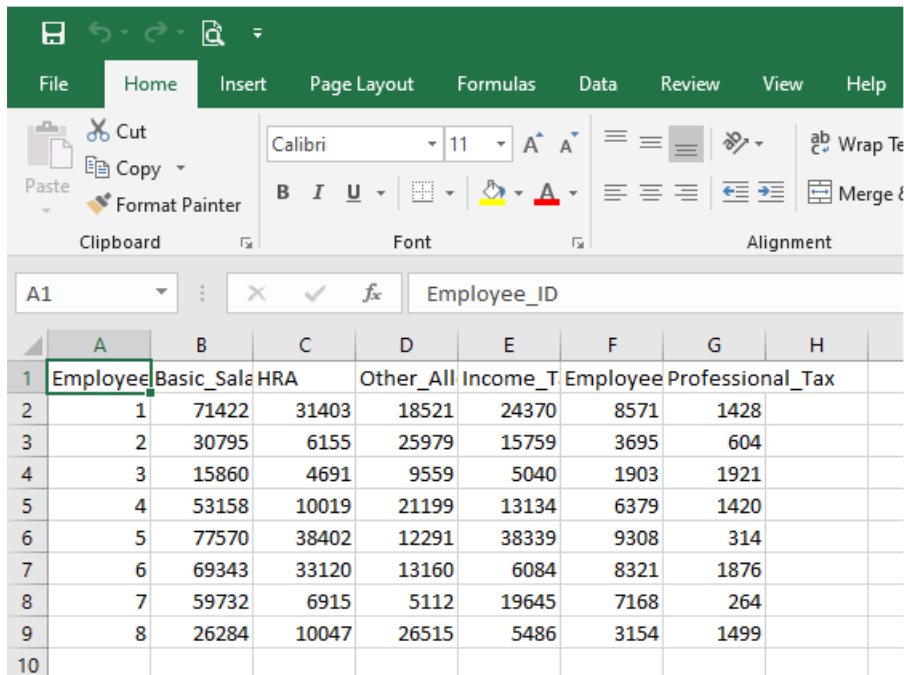
**231071052**

**DAA LAB 3**

**OUTPUTS**

**BATCH C**

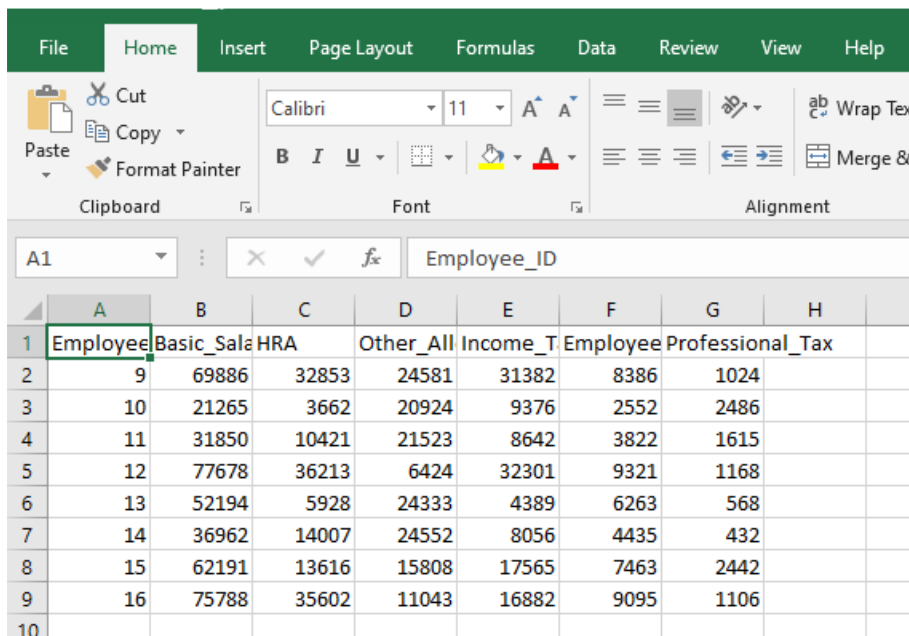
## TEST CASE 1:-



	A	B	C	D	E	F	G	H
1	Employee	Basic_Sale	HRA	Other_All	Income_T	Employee	Professional_Tax	
2	1	71422	31403	18521	24370	8571	1428	
3	2	30795	6155	25979	15759	3695	604	
4	3	15860	4691	9559	5040	1903	1921	
5	4	53158	10019	21199	13134	6379	1420	
6	5	77570	38402	12291	38339	9308	314	
7	6	69343	33120	13160	6084	8321	1876	
8	7	59732	6915	5112	19645	7168	264	
9	8	26284	10047	26515	5486	3154	1499	
10								

```
Processing file: employee_valid_1.csv
Linear Scan -> Min: ₹23167.00 (ID: 3), Max: ₹101218.00 (ID: 6)
Divide and conquer -> Min: ₹23167.00 (ID: 3), Max: ₹101218.00 (ID: 6)
```

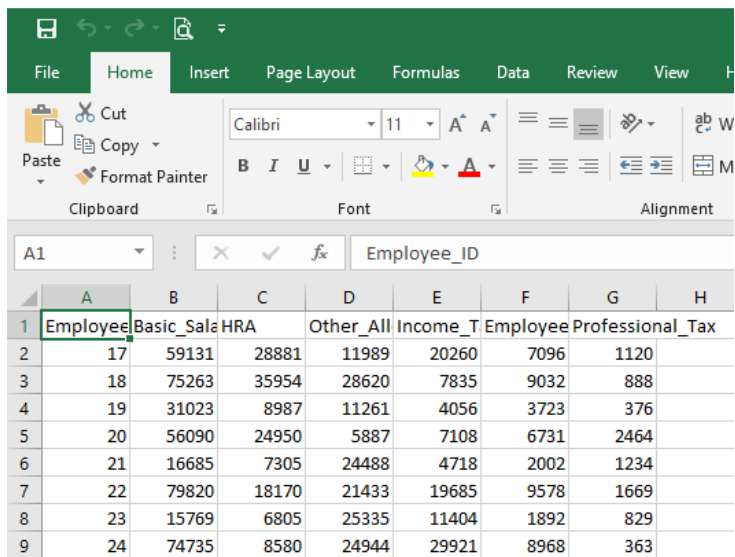
## TEST CASE 2:-



	A	B	C	D	E	F	G	H
1	Employee	Basic_Sale	HRA	Other_All	Income_T	Employee	Professional_Tax	
2	9	69886	32853	24581	31382	8386	1024	
3	10	21265	3662	20924	9376	2552	2486	
4	11	31850	10421	21523	8642	3822	1615	
5	12	77678	36213	6424	32301	9321	1168	
6	13	52194	5928	24333	4389	6263	568	
7	14	36962	14007	24552	8056	4435	432	
8	15	62191	13616	15808	17565	7463	2442	
9	16	75788	35602	11043	16882	9095	1106	
10								

```
Processing file: employee_valid_2.csv
Linear Scan -> Min: ₹33923.00 (ID: 10), Max: ₹96456.00 (ID: 16)
Divide and conquer -> Min: ₹33923.00 (ID: 10), Max: ₹96456.00 (ID: 16)
```

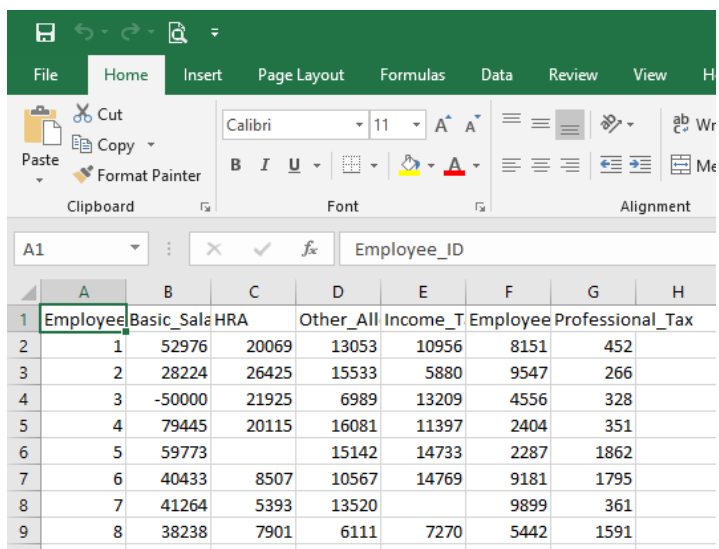
## TEST CASE 3:-



Employee_ID	Basic_Sala	HRA	Other_All	Income_T	Employee	Professional_Tax
17	59131	28881	11989	20260	7096	1120
18	75263	35954	28620	7835	9032	888
19	31023	8987	11261	4056	3723	376
20	56090	24950	5887	7108	6731	2464
21	16685	7305	24488	4718	2002	1234
22	79820	18170	21433	19685	9578	1669
23	15769	6805	25335	11404	1892	829
24	74735	8580	24944	29921	8968	363

```
Processing file: employee_valid_3.csv
Linear Scan -> Min: ₹34613.00 (ID: 23), Max: ₹122970.00 (ID: 18)
Divide and conquer -> Min: ₹34613.00 (ID: 23), Max: ₹122970.00 (ID: 18)
```

## TEST CASE 4:-



Employee_ID	Basic_Sala	HRA	Other_All	Income_T	Employee	Professional_Tax
1	52976	20069	13053	10956	8151	452
2	28224	26425	15533	5880	9547	266
3	-50000	21925	6989	13209	4556	328
4	79445	20115	16081	11397	2404	351
5	59773		15142	14733	2287	1862
6	40433	8507	10567	14769	9181	1795
7	41264	5393	13520		9899	361
8	38238	7901	6111	7270	5442	1591

```
Processing file: employee_invalid_1.csv
Error: Negative values found in column 'Basic_Salary' in employee_invalid_1.csv
Error: Empty cells found in column 'HRA' in employee_invalid_1.csv
Error: Empty cells found in column 'Income_Tax' in employee_invalid_1.csv
Skipping salary calculations due to data errors.
```

## TEST CASE 5:-

Employee_ID	Basic_Sala	HRA	Other_All	Income_T	Employee_Provident_Fund	Income_Tax	Employee_Provident_Fund
1	55287	25738	6982	5404	5389		
2	76142	23632	14258	11338	5674		
3	-50000	28134	10726	14957	8385		
4	61211	14138	11292	3864	3388		
5	73450		19707	7932	2426		
6	32369	22169	11228	9742	9910		
7	67446	23307	14790		6530		
8	54286	26679	8297	6535	2002		

```
Processing file: employee_invalid_2.csv
Error: Negative values found in column 'Basic_Salary' in employee_invalid_2.csv
Error: Empty cells found in column 'HRA' in employee_invalid_2.csv
Error: Empty cells found in column 'Income_Tax' in employee_invalid_2.csv
Skipping salary calculations due to data errors.
```

## TEST CASE 6:-

Employee_ID	Basic_Sala	HRA	Other_All	Income_T	Employee_Provident_Fund	Income_Tax	Employee_Provident_Fund
1	65976	8080	18781	5926	8457		
2	58099	6886	9917	4125	4489		
3	-50000	10299	6906	12825	6414		
4	73276	15810	6743	4689	8931		
5	25547		10669	7909	9978		
6	55542	18498	6228	11666	8306		
7	41752	16520	9423		6627		
8	43516	9124	6975	7111	8110		

```
Processing file: employee_invalid_3.csv
Error: Negative values found in column 'Basic_Salary' in employee_invalid_3.csv
Error: Empty cells found in column 'HRA' in employee_invalid_3.csv
Error: Empty cells found in column 'Income_Tax' in employee_invalid_3.csv
Skipping salary calculations due to data errors.
```