

Assignment#9h

PROG9h.BAS

Weekly payroll report for the **SLATE ROCK & GRAVEL CO.**

Data:

1. Your data should be entered according to the following DATA statements:

```
DATA Fred Flintstone, 40, Wilma Flintstone, 30, Pebbles Flintstone, 20
DATA Dino Flintstone, 10, Barney Rubble, 35, Betty Rubble, 25
DATA Bam-Bam Rubble, 15, Hoppy Rubble, 5
```

2. Graduated Tax Table:

Gross Pay	Tax Rate
\$0.00 to \$500.00	0%
\$500.01 to \$1,200.00	10%
\$1,200.01 to \$1,300.00	20%
\$1,300.01 to \$1,400.00	30%
\$1,400.01 to \$ 1,500.00	40%
\$1,500.01 and up	65%

Processing Requirements:

You will need to:

- 1) Create a data structure named EMPLOYEE that contains the following member fields:

```
empName as a STRING
hourlyPay as a SINGLE
hours as a SINGLE
basePay as a SINGLE
grossPay as a SINGLE
overTime as a SINGLE
netPay as a SINGLE
```

- 2) Create an array of employees () with eight elements for your DATA.
- 3) Create a CONST format "\$\$##, ###.##" to be used by any SUB ROUTINE/FUNCTION that may need to print currency figures.
- 4) Create a SUB ROUTINE/FUNCTION to populate the array employees () with names and hourly pay for each employee according to the attached DATA statements.
- 5) Create a SUB ROUTINE/FUNCTION to prompt the user to enter the number of hours each employee worked this week.
- 6) Create a SUB ROUTINE/FUNCTION to calculate the grossPay (base pay + any calculated overtime @ time and one half) for each employee.

- 7) Create a SUB ROUTINE/FUNCTION to calculate the netPay (gross pay – applicable taxes according to the provided graduated tax table) for each employee.
- 8) Create a SUB ROUTINE/FUNCTION to print the output headings as shown on the attached screen shot.
- 9) Create a SUB ROUTINE/FUNCTION to output the weekly pay for each employee according to the attached screen shot.
- 10) Create a SUB ROUTINE/FUNCTION to calculate the company’s weekly payroll expenses and output them according to the attached screen shot.
- 11) Your main program should contain only three executable lines:

```
CLS
CALL to read your data into the employees( ) array.
END
```

Output:

Your output should display the appropriate data according to the user’s input and your program’s calculations.

INPUT SCREEN																																																						
Enter the hours for Fred Flintstone: 11 Enter the hours for Wilma Flintstone: 22 Enter the hours for Pebbles Flintstone: 33 Enter the hours for Dino Flintstone: 44 Enter the hours for Barney Rubble: 55 Enter the hours for Betty Rubble: 66 Enter the hours for Bam-Bam Rubble: 77 Enter the hours for Hoppy Rubble: 88																																																						
OUTPUT SCREEN																																																						
<div> <div> S L A T E R O C K & G R A V E L C O . W E E K L Y P A Y R O L L </div> <table> <tr> <th>Employee Name</th><th>Base Pay</th><th>Over Time</th><th>Taxes</th><th>Net Pay</th></tr> <tr> <td>Fred Flintstone</td><td>\$440.00</td><td>\$0.00</td><td>\$0.00</td><td>\$440.00</td></tr> <tr> <td>Wilma Flintstone</td><td>\$660.00</td><td>\$0.00</td><td>\$66.00</td><td>\$594.00</td></tr> <tr> <td>Pebbles Flintstone</td><td>\$660.00</td><td>\$0.00</td><td>\$66.00</td><td>\$594.00</td></tr> <tr> <td>Dino Flintstone</td><td>\$400.00</td><td>\$60.00</td><td>\$0.00</td><td>\$460.00</td></tr> <tr> <td>Barney Rubble</td><td>\$1,400.00</td><td>\$787.50</td><td>\$1,421.88</td><td>\$765.63</td></tr> <tr> <td>Betty Rubble</td><td>\$1,000.00</td><td>\$975.00</td><td>\$1,283.75</td><td>\$691.25</td></tr> <tr> <td>Bam-Bam Rubble</td><td>\$600.00</td><td>\$832.50</td><td>\$573.00</td><td>\$859.50</td></tr> <tr> <td>Hoppy Rubble</td><td>\$200.00</td><td>\$360.00</td><td>\$56.00</td><td>\$504.00</td></tr> <tr> <td colspan="4">Total weekly payroll expenses for the Slate Rock & Gravel Co.:</td><td>\$8,375.00</td></tr> </table> </div>					Employee Name	Base Pay	Over Time	Taxes	Net Pay	Fred Flintstone	\$440.00	\$0.00	\$0.00	\$440.00	Wilma Flintstone	\$660.00	\$0.00	\$66.00	\$594.00	Pebbles Flintstone	\$660.00	\$0.00	\$66.00	\$594.00	Dino Flintstone	\$400.00	\$60.00	\$0.00	\$460.00	Barney Rubble	\$1,400.00	\$787.50	\$1,421.88	\$765.63	Betty Rubble	\$1,000.00	\$975.00	\$1,283.75	\$691.25	Bam-Bam Rubble	\$600.00	\$832.50	\$573.00	\$859.50	Hoppy Rubble	\$200.00	\$360.00	\$56.00	\$504.00	Total weekly payroll expenses for the Slate Rock & Gravel Co.:				\$8,375.00
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