

# *Java Payroll System*

*Group 16*

# **PAYROLL CODES**

```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
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1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6   package group16_payroll_c2021;
7
8   /**
9    *
10   * @author HEXA
11   */
12  import java.io.IOException;
13  import java.util.*;
14
15  public class Group16_Payroll_C2021 {
16
17      public static void main(String[] args) throws IOException {
18
19          String name1 = "Jose Rizal A", position1 = "Manager", department1 = "IT", status1 = "Single";
20          double deductions = 0, totalIncome, Overtime, Overhours, HoursPay = 350, Monthly1 = 99840, Allowances1 = 4500, HouseLoan, CarLoan, TotalLoan, GrossPay;
21
22          double numworks = 192, late, Absences, Absenceshours = 8, Absencetotal, Tothours, rate = 520, minuteded = 50, minute, minut = 0, hourded = 150, hour, Totalhours;
23          int undertime, Undertotal, Underhours = 4;
24
25          double tax = 0, SSS = 0, PhilH = 0, PGHG = 0, NetPay, OverallIncome, OverallIncome2, OverallIncome3, OverallIncome4;
26
27          String name2 = "Andres Bonifacio C", position2 = "Assistant Manager", department2 = "IT", status2 = "Single";
28          double deductions1 = 0, totalIncome1, Overtime1, Overhours1, Monthly2 = 86400, Allowances2 = 2500;
29
30          double rate1 = 450;
31
32          String name3 = "Lexi Lore S", position3 = "Secretary", department3 = "IT", status3 = "Married";
33          double deductions2 = 0, totalIncome2, Overtime2, Overhours2, Monthly3 = 67200, Allowances3 = 1500;
34
35          double rate2 = 350;
36
37          String name4 = "Ivana Alawi S", position4 = "Assistant Secretary", department4 = "IT", status4 = "Widowed";
38          double deductions3 = 0, totalIncome3, Overtime3, Overhours3, Monthly4 = 57600, Allowances4 = 1000;
39
40          double rate3 = 300;
41
42          int sel, Employee;
43          char ans;
44
45          do {
46              Scanner in = new Scanner(System.in);
47              System.out.println("\n");
48          } while (true);
49      }
50  }
```

```
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File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
47 System.out.println("\n");
48 System.out.println("-----");
49 System.out.println("TAGUIG CITY Payroll System 101");
50 System.out.println("-----");
51 System.out.println("-----");
52 System.out.println("|Employee| Employee Name | Position | Department | rate | Monthly | Allowances| Official |");
53 System.out.println("|Number | | | | /hour | Salary | | time= 8hours |");
54 System.out.println("| | | | | | | | Overtime |");
55 System.out.println("| | | | | | | | exceeding |");
56 System.out.println("| | | | | | | | 1 hour=P350 |");
57 System.out.println("-----");
58 System.out.println("| 1001 | Jose Rizal A | Manager | IT | 520 | 99,840 | 4,500 | |");
59 System.out.println("| 1002 | Andres Bonifacio C | Asst. Manager | IT | 450 | 86,400 | 2,500 | |");
60 System.out.println("| 1003 | Lexi Lore S | Secretary | IT | 350 | 67,200 | 1,500 | |");
61 System.out.println("| 1004 | Ivana Alawi S | Asst. Secretary | IT | 300 | 57,600 | 1,000 | |");
62 System.out.println("-----");
63 System.out.println("Enter Employee's Data \n");
64
65 System.out.print("Employee Number : ");
66 Employee = in.nextInt();
67
68 switch (Employee) {
69     case 1001:
70         System.out.println("Name : " + name1);
71         System.out.println("Position : " + position1);
72         System.out.println("Department : " + department1);
73         System.out.println("Status : " + status1);
74         System.out.println("Monthly Salary : P" + Monthly1);
75         System.out.println("Allowances : P" + Allowances1);
76         System.out.print("Overtime : ");
77         Overhours = in.nextDouble();
78         Overtime = Overhours * HoursPay;
79         System.out.println("OvertimePay : P" + Overtime);
80         totalIncome = Monthly1 + Allowances1 + Overtime;
81         System.out.println("TOTAL INCOME : P" + totalIncome);
82
83         System.out.println("-----");
84         System.out.println("T I M E");
85         System.out.println("-----");
86         System.out.println("Number of Hours Works : " + numworks);
87         System.out.print("Late(Hours) : ");
88         hour = in.nextDouble();
89         Totalhours = hour * hourded;
90
91         System.out.print("Late(Minutes) : ");
92         minute = in.nextDouble();
93         if (minute >= 1 && minute <= 59) {
94             minute = minute/60;
```

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Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
94     minute = minuteded;
95     } else if (minute == 0) {
96         minute = minut;
97     }
98     late = minute + Totalhours;
99
100     System.out.print("Absences          : ");
101     Absences = in.nextDouble();
102     Absencetotal = Absenceshours * Absences;
103
104     System.out.print("Undertime          : ");
105     undertime = in.nextInt();
106     Underttotal = undertime * Underhours;
107
108     Tothours = numworks - Underttotal - Absencetotal - hour;
109     System.out.println("Total Hours          : " + Tothours);
110     System.out.println("Rate                : P" + rate);
111     OverallIncome = Tothours * rate + Allowances1 + Overtime - late;
112     System.out.println("OVERALL INCOME      : P" + OverallIncome);
113
114     System.out.println("-----");
115     System.out.println("          D E D U C T I O N S          ");
116     System.out.println("-----");
117
118     System.out.print("Specify Tax Bracket \n");
119     System.out.print("(1)Single (2)Married (3)Widowed");
120
121     System.out.print("\n\nEnter your choice: ");
122
123     while (true) {
124         sel = in.nextInt();
125         if (sel < 1 || sel > 3) {
126             System.out.print("You select wrong number, please enter the number you choose[1,2,3 only!]: ");
127
128             continue;
129         }
130         break;
131     }
132     if (sel == 1) {
133         tax = OverallIncome * .20;
134         SSS = OverallIncome * .07;
135         PGBG = OverallIncome * .01;
136         PhilH = OverallIncome * .01;
137         deductions = tax + SSS + PGBG + PhilH;
138
139         System.out.println("\nTAX          : P" + tax);
140         System.out.println("SSS          : P" + SSS);
141         System.out.println("PGBG         : P" + PGBG);
142         System.out.println("PhilH        : P" + PhilH);
143         System.out.println("Deductions   : P" + deductions);
144     }
145 }
```



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141 System.out.println("PAGIBIG : P" + PGBG);
142 System.out.println("PhilHealth : P" + PhilH);
143 System.out.println("\nDEDUCTIONS : P" + deductions);
144 } else if (sel == 2) {
145 tax = OverallIncome * .10;
146 SSS = OverallIncome * .03;
147 PGBG = OverallIncome * .01;
148 PhilH = OverallIncome * .01;
149 deductions = tax + SSS + PGBG + PhilH;
150
151 System.out.println("\nTAX : P" + tax);
152 System.out.println("SSS : P" + SSS);
153 System.out.println("PAGIBIG : P" + PGBG);
154 System.out.println("PhilHealth : P" + PhilH);
155 System.out.println("\nDEDUCTIONS : P" + deductions);
156 } else if (sel == 3) {
157 tax = OverallIncome * .08;
158 SSS = OverallIncome * .02;
159 PGBG = OverallIncome * .01;
160 PhilH = OverallIncome * .01;
161 deductions = tax + SSS + PGBG + PhilH;
162
163 System.out.println("\nTAX : P" + tax);
164 System.out.println("SSS : P" + SSS);
165 System.out.println("PAGIBIG : P" + PGBG);
166 System.out.println("PhilHealth : P" + PhilH);
167 System.out.println("\nDEDUCTIONS : P" + deductions);
168 }
169
170 System.out.println("\n-----");
171 System.out.println(" Payroll Slip");
172 System.out.println("-----");
173 System.out.print("\n Name : " + name1);
174 System.out.print("\n Position : " + position1);
175 System.out.print("\n Department : " + department1);
176 System.out.print("\n Status : " + status1);
177 System.out.print("\n Monthly Salary : P" + Monthly1);
178 System.out.print("\n Allowances : P" + Allowances1);
179 System.out.print("\n Overtime : P" + Overtime);
180 System.out.print("\n Total Income : P" + totalIncome);
181 System.out.println("\n");
182 System.out.println("-----Time-----");
183 System.out.print("\n Number of Hours Works: " + numworks);
184 System.out.print("\n Late (hours) : P" + Totalhours);
185 System.out.print("\n Late (minutes) : P" + minute);
186 System.out.print("\n Absences : " + Absencetotal);
187 System.out.print("\n Undertime : " + Undertotal);
```

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File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
187 System.out.print("\n      Overall Income      : " + OverallIncome);
188 System.out.print("\n      Total Hours      : " + Tothours);
189 System.out.print("\n      Rate      : P" + rate);
190 System.out.print("\n      Overall Income      : P" + OverallIncome);
191 System.out.println("\n");
192 System.out.println("-----Deductions-----");
193 System.out.print("\n      TAX      : P" + tax);
194 System.out.print("\n      SSS      : P" + SSS);
195 System.out.print("\n      Pagibig      : P" + PGBG);
196 System.out.print("\n      PhilHealth      : P" + PhilH);
197 System.out.print("\n      Total Deductions      : P" + deductions);
198 System.out.println("");
199 System.out.println("-----Others-----");
200 System.out.print("\n      House Loan      : P");
201 HouseLoan = in.nextDouble();
202 System.out.print("\n      Car Loan      : P");
203 CarLoan = in.nextDouble();
204 TotalLoan = HouseLoan + CarLoan;
205 System.out.print("\n      Total Loan      : P" + TotalLoan);
206 System.out.println("");
207 System.out.println("-----");
208 GrossPay = OverallIncome - deductions;
209 System.out.print("\n      TOTAL GROSS PAY      : P" + GrossPay);
210 NetPay = GrossPay - TotalLoan;
211 System.out.print("\n\n      TOTAL NET PAY      : P" + NetPay);
212
213 break;
214
215 case 1002:
216 System.out.println("Name      : " + name2);
217 System.out.println("Position      : " + position2);
218 System.out.println("Department      : " + department2);
219 System.out.println("Status      : " + status2);
220 System.out.println("Monthly Salary      : P" + Monthly2);
221 System.out.println("Allowances      : P" + Allowances2);
222 System.out.print("Overtime      : ");
223 Overhours1 = in.nextDouble();
224 Overtime1 = Overhours1 * HoursPay;
225 System.out.print("OvertimePay      : P" + Overtime1);
226 totalIncome1 = Monthly2 + Allowances2 + Overtime1;
227 System.out.print("TOTAL INCOME      : P" + totalIncome1);
228
229 System.out.println("-----");
230 System.out.println("      T I M E      ");
231 System.out.println("-----");
232 System.out.println("Number of Hours Works      : " + numworks);
233 System.out.print("Late(Hours)      : ");
234 hour = in.nextDouble();
```

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File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
235 Totalhours = hour * hourded;
236
237 System.out.print("Late(Minutes)          : ");
238 minute = in.nextDouble();
239 if (minute >= 1 && minute <= 59) {
240     minute = minuteded;
241 } else if (minute == 0) {
242     minute = minut;
243 }
244 late = minute + Totalhours;
245
246 System.out.print("Absences                : ");
247 Absences = in.nextDouble();
248 Absencetotal = Absenceshours * Absences;
249
250 System.out.print("Undertime              : ");
251 undertime = in.nextInt();
252 Undertotal = undertime * Underhours;
253
254 Tothours = numworks - Undertotal - Absencetotal - hour;
255 System.out.println("Total Hours          : " + Tothours);
256 System.out.println("Rate                : P" + ratel);
257 OverallIncome2 = Tothours * ratel + Allowances2 + Overtime1 - late;
258 System.out.println("OVERALL INCOME      : P" + OverallIncome2);
259
260 System.out.println("-----");
261 System.out.println("                D E D U C T I O N S                ");
262 System.out.println("-----");
263
264 System.out.print("Specify Tax Bracket \n");
265 System.out.print("(1)Single (2)Married (3)Widowed");
266
267 System.out.print("\n\nEnter your choice: ");
268
269 while (true) {
270     sel = in.nextInt();
271     if (sel < 1 || sel > 3) {
272         System.out.print("You select wrong number, please enter the number you choose[1,2,3 only!]: ");
273
274         continue;
275     }
276     break;
277 }
278 if (sel == 1) {
279     tax = OverallIncome2 * .15;
280     SSS = OverallIncome2 * .05;
281     PGBG = OverallIncome2 * .01;
```



```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
282 PhilH = OverallIncome2 * .01;
283 deductions1 = tax + SSS + PGBG + PhilH;
284
285 System.out.println("\nTAX : P" + tax);
286 System.out.println("SSS : P" + SSS);
287 System.out.println("PAGIBIG : P" + PGBG);
288 System.out.println("PhilHealth : P" + PhilH);
289 System.out.println("\nDEDUCTIONS : P" + deductions1);
290 } else if (sel == 2) {
291 tax = OverallIncome2 * .10;
292 SSS = OverallIncome2 * .03;
293 PGBG = OverallIncome2 * .01;
294 PhilH = OverallIncome2 * .01;
295 deductions1 = tax + SSS + PGBG + PhilH;
296
297 System.out.println("\nTAX : P" + tax);
298 System.out.println("SSS : P" + SSS);
299 System.out.println("PAGIBIG : P" + PGBG);
300 System.out.println("PhilHealth : P" + PhilH);
301 System.out.println("\nDEDUCTIONS : P" + deductions1);
302 } else if (sel == 3) {
303 tax = OverallIncome2 * .08;
304 SSS = OverallIncome2 * .02;
305 PGBG = OverallIncome2 * .01;
306 PhilH = OverallIncome2 * .01;
307 deductions1 = tax + SSS + PGBG + PhilH;
308
309 System.out.println("\nTAX : P" + tax);
310 System.out.println("SSS : P" + SSS);
311 System.out.println("PAGIBIG : P" + PGBG);
312 System.out.println("PhilHealth : P" + PhilH);
313 System.out.println("\nDEDUCTIONS : P" + deductions1);
314 }
315
316 System.out.println("\n-----");
317 System.out.println(" Payroll Slip");
318 System.out.println("-----");
319 System.out.print("\n Name : " + name2);
320 System.out.print("\n Position : " + position2);
321 System.out.print("\n Department : " + department2);
322 System.out.print("\n Status : " + status2);
323 System.out.print("\n Monthly Salary : P" + Monthly2);
324 System.out.print("\n Allowances : P" + Allowances2);
325 System.out.print("\n Overtime : P" + Overtime1);
326 System.out.print("\n Total Income : P" + totalIncome1);
327 System.out.println("\n");
328 System.out.println("-----Time-----");
```

```
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329 System.out.print("\n    Number of Hours Works: " + numworks);
330 System.out.print("\n    Late (hours)          : P" + Totalhours);
331 System.out.print("\n    Late (minutes)       : P" + minute);
332 System.out.print("\n    Absences            : " + Absencetotal);
333 System.out.print("\n    Undertime          : " + Undertotal);
334 System.out.print("\n    Total Hours        : " + Tothours);
335 System.out.print("\n    Rate                : P" + ratel);
336 System.out.print("\n    Overall Income     : P" + OverallIncome2);
337 System.out.println("\n");
338 System.out.println("-----Deductions-----");
339 System.out.print("\n    TAX                : P" + tax);
340 System.out.print("\n    SSS                : P" + SSS);
341 System.out.print("\n    Pagibig            : P" + PGBG);
342 System.out.print("\n    PhilHealth         : P" + PhilH);
343 System.out.println("\n    Total Deductions   : P" + deductions1);
344 System.out.println("");
345 System.out.println("-----Others-----");
346 System.out.print("\n    House Loan         : P");
347 HouseLoan = in.nextDouble();
348 System.out.print("\n    Car Loan           : P");
349 CarLoan = in.nextDouble();
350 TotalLoan = HouseLoan + CarLoan;
351 System.out.println("\n    Total Loan         : P" + TotalLoan);
352 System.out.println("");
353 System.out.println("-----");
354 GrossPay = totalIncome1 - deductions1;
355 System.out.print("\n    TOTAL GROSS PAY    : P" + GrossPay);
356 NetPay = GrossPay - TotalLoan;
357 System.out.println("\n\n    TOTAL NET PAY      : P" + NetPay);
358
359 break;
360
361 case 1003:
362 System.out.println("Name          : " + name3);
363 System.out.println("Position       : " + position3);
364 System.out.println("Department     : " + department3);
365 System.out.println("Status         : " + status3);
366 System.out.println("Monthly Salary : P" + Monthly3);
367 System.out.println("Allowances     : P" + Allowances3);
368 System.out.print("Overtime       : ");
369 Overhours2 = in.nextDouble();
370 Overtime2 = Overhours2 * HoursPay;
371 System.out.println("OvertimePay    : P" + Overtime2);
372 totalIncome2 = Monthly3 + Allowances3 + Overtime2;
373 System.out.println("TOTAL INCOME   : P" + totalIncome2);
374
375 System.out.println("-----");
```

```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
376 System.out.println("                T I M E                ");
377 System.out.println("-----");
378 System.out.println("Number of Hours Works : " + numworks);
379 System.out.print("Late(Hours) : ");
380 hour = in.nextDouble();
381 Totalhours = hour * hourded;
382
383 System.out.print("Late(Minutes) : ");
384 minute = in.nextDouble();
385 if (minute >= 1 && minute <= 59) {
386     minute = minuteded;
387 } else if (minute == 0) {
388     minute = minut;
389 }
390 late = minute + Totalhours;
391
392 System.out.print("Absences : ");
393 Absences = in.nextDouble();
394 Absencetotal = Absenceshours * Absences;
395
396 System.out.print("Undertime : ");
397 undertime = in.nextInt();
398 Undertotal = undertime * Underhours;
399
400 Tothours = numworks - Undertotal - Absencetotal - hour;
401 System.out.println("Total Hours : " + Tothours);
402 System.out.println("Rate : P" + rate2);
403 OverallIncome3 = Tothours * rate2 + Allowances3 + Overtime2 - late;
404 System.out.println("OVERALL INCOME : P" + OverallIncome3);
405
406 System.out.println("-----");
407 System.out.println("                D E D U C T I O N S                ");
408 System.out.println("-----");
409
410 System.out.print("Specify Tax Bracket \n");
411 System.out.print("(1)Single (2)Married (3)Widowed");
412
413 System.out.print("\n\nEnter your choice: ");
414
415 while (true) {
416     sel = in.nextInt();
417     if (sel < 1 || sel > 3) {
418         System.out.print("You select wrong number, please enter the number you choose[1,2,3 only!]: ");
419
420         continue;
421     }
422     break;
```

```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
423 }
424 if (sel == 1) {
425     tax = OverallIncome3 * .20;
426     SSS = OverallIncome3 * .07;
427     PGBG = OverallIncome3 * .01;
428     PhilH = OverallIncome3 * .01;
429     deductions2 = tax + SSS + PGBG + PhilH;
430
431     System.out.println("TAX          : P" + tax);
432     System.out.println("SSS          : P" + SSS);
433     System.out.println("PAGIBIG       : P" + PGBG);
434     System.out.println("PhilHealth    : P" + PhilH);
435     System.out.println("\nDEDUCTIONS    : P" + deductions2);
436 } else if (sel == 2) {
437     tax = OverallIncome3 * .10;
438     SSS = OverallIncome3 * .03;
439     PGBG = OverallIncome3 * .01;
440     PhilH = OverallIncome3 * .01;
441     deductions2 = tax + SSS + PGBG + PhilH;
442
443     System.out.println("\nTAX          : P" + tax);
444     System.out.println("SSS          : P" + SSS);
445     System.out.println("PAGIBIG       : P" + PGBG);
446     System.out.println("PhilHealth    : P" + PhilH);
447     System.out.println("\nDEDUCTIONS    : P" + deductions2);
448 } else if (sel == 3) {
449     tax = OverallIncome3 * .08;
450     SSS = OverallIncome3 * .02;
451     PGBG = OverallIncome3 * .01;
452     PhilH = OverallIncome3 * .01;
453     deductions2 = tax + SSS + PGBG + PhilH;
454
455     System.out.println("\nTAX          : P" + tax);
456     System.out.println("SSS          : P" + SSS);
457     System.out.println("PAGIBIG       : P" + PGBG);
458     System.out.println("PhilHealth    : P" + PhilH);
459     System.out.println("\nDEDUCTIONS    : P" + deductions2);
460 }
461
462 System.out.println("\n-----");
463 System.out.println("          Payroll Slip");
464 System.out.println("-----");
465 System.out.print("\n    Name          : " + name3);
466 System.out.print("\n    Position       : " + position3);
467 System.out.print("\n    Department     : " + department3);
468 System.out.print("\n    Status         : " + status3);
469 System.out.print("\n    Monthly Salary : P" + Monthly3);
```

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Group16_PayRoll_C2021 - NetBeans IDE 8.2
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470 System.out.println("\n Allowances : P" + Allowances3);
471 System.out.println("\n Overtime : P" + Overtime2);
472 System.out.println("\n Total Income : P" + totalIncome2);
473 System.out.println("\n");
474 System.out.println("-----Time-----");
475 System.out.println("\n Number of Hours Works: " + numworks);
476 System.out.println("\n Late (hours) : P" + Totalhours);
477 System.out.println("\n Late (minutes) : P" + minute);
478 System.out.println("\n Absences : " + Absencestotal);
479 System.out.println("\n Undertime : " + Undertotal);
480 System.out.println("\n Total Hours : " + Tothours);
481 System.out.println("\n Rate : P" + rate2);
482 System.out.println("\n Overall Income : P" + OverallIncome3);
483 System.out.println("\n");
484 System.out.println("-----Deductions-----");
485 System.out.println("\n TAX : P" + tax);
486 System.out.println("\n SSS : P" + SSS);
487 System.out.println("\n Pagibig : P" + PGBG);
488 System.out.println("\n PhilHealth : P" + PhilH);
489 System.out.println("\n Total Deductions : P" + deductions2);
490 System.out.println("");
491 System.out.println("-----Others-----");
492 System.out.println("\n House Loan : P");
493 HouseLoan = in.nextDouble();
494 System.out.println("\n Car Loan : P");
495 CarLoan = in.nextDouble();
496 TotalLoan = HouseLoan + CarLoan;
497 System.out.println("\n Total Loan : P" + TotalLoan);
498 System.out.println("");
499 System.out.println("-----");
500 GrossPay = totalIncome2 - deductions2;
501 System.out.println("\n TOTAL GROSS PAY : P" + GrossPay);
502 NetPay = GrossPay - TotalLoan;
503 System.out.println("\n\n TOTAL NET PAY : P" + NetPay);
504
505 break;
506
507 case 1004:
508 System.out.println("Name : " + name4);
509 System.out.println("Position : " + position4);
510 System.out.println("Department : " + department4);
511 System.out.println("Status : " + status4);
512 System.out.println("Monthly Salary : P" + Monthly4);
513 System.out.println("Allowances : P" + Allowances4);
514 System.out.println("Overtime : ");
515 Overhours3 = in.nextDouble();
516 Overtime3 = Overhours3 * HoursPay;
```



```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
517      System.out.println("OvertimePay      : P" + Overtime3);
518      totalIncome3 = Monthly4 + Allowances4 + Overtime3;
519      System.out.println("TOTAL INCOME      : P" + totalIncome3);
520
521      System.out.println("-----");
522      System.out.println("                      T I M E                      ");
523      System.out.println("-----");
524      System.out.println("Number of Hours Works : " + numworks);
525      System.out.print("Late(Hours)           : ");
526      hour = in.nextDouble();
527      Totalhours = hour * hourded;
528
529      System.out.print("Late(Minutes)         : ");
530      minute = in.nextDouble();
531      if (minute >= 1 && minute <= 59) {
532          minute = minuteded;
533      } else if (minute == 0) {
534          minute = minut;
535      }
536      late = minute + Totalhours;
537
538      System.out.print("Absences              : ");
539      Absences = in.nextDouble();
540      Absencetotal = Absenceshours * Absences;
541
542      System.out.print("Undertime             : ");
543      undertime = in.nextInt();
544      Underttotal = undertime * Underhours;
545
546      Tothours = numworks - Underttotal - Absencetotal - hour;
547      System.out.println("Total Hours          : " + Tothours);
548      System.out.println("Rate                 : P" + rate3);
549      OverallIncome4 = Tothours * rate3 + Allowances4 + Overtime3 - late;
550      System.out.println("OVERALL INCOME      : P" + OverallIncome4);
551
552      System.out.println("-----");
553      System.out.println("                      D E D U C T I O N S          ");
554      System.out.println("-----");
555
556      System.out.print("Specify Tax Bracket \n");
557      System.out.print("(1)Single (2)Married (3)Widowed");
558
559      System.out.print("\n\nEnter your choice: ");
560
561      while (true) {
562          sel = in.nextInt();
563          if (sel < 1 || sel > 3) {
```

```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+F)

564     System.out.print("You select wrong number, please enter the number you choose[1,2,3 only!]: ");
565
566     continue;
567 }
568 break;
569 }
570 if (sel == 1) {
571     tax = OverallIncome4 * .20;
572     SSS = OverallIncome4 * .07;
573     PGBG = OverallIncome4 * .01;
574     PhilH = OverallIncome4 * .01;
575     deductions3 = tax + SSS + PGBG + PhilH;
576
577     System.out.println("TAX           : P" + tax);
578     System.out.println("SSS           : P" + SSS);
579     System.out.println("PAGIBIG        : P" + PGBG);
580     System.out.println("PhilHealth     : P" + PhilH);
581     System.out.println("\nDEDUCTIONS      : P" + deductions3);
582 } else if (sel == 2) {
583     tax = OverallIncome4 * .10;
584     SSS = OverallIncome4 * .03;
585     PGBG = OverallIncome4 * .01;
586     PhilH = OverallIncome4 * .01;
587     deductions3 = tax + SSS + PGBG + PhilH;
588
589     System.out.println("\nTAX           : P" + tax);
590     System.out.println("SSS           : P" + SSS);
591     System.out.println("PAGIBIG        : P" + PGBG);
592     System.out.println("PhilHealth     : P" + PhilH);
593     System.out.println("\nDEDUCTIONS      : P" + deductions3);
594 } else if (sel == 3) {
595     tax = OverallIncome4 * .08;
596     SSS = OverallIncome4 * .02;
597     PGBG = OverallIncome4 * .01;
598     PhilH = OverallIncome4 * .01;
599     deductions3 = tax + SSS + PGBG + PhilH;
600
601     System.out.println("\nTAX           : P" + tax);
602     System.out.println("SSS           : P" + SSS);
603     System.out.println("PAGIBIG        : P" + PGBG);
604     System.out.println("PhilHealth     : P" + PhilH);
605     System.out.println("\nDEDUCTIONS      : P" + deductions3);
606 }
607
608 System.out.println("\n-----");
609 System.out.println("                Payroll Slip");
610 System.out.println("-----");
```

```
Group16_PayRoll_C2021 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
System.out.println(" ");
611 System.out.print("\n      Name      : " + name4);
612 System.out.print("\n      Position   : " + position4);
613 System.out.print("\n      Department : " + department4);
614 System.out.print("\n      Status    : " + status4);
615 System.out.print("\n      Monthly Salary : P" + Monthly4);
616 System.out.print("\n      Allowances   : P" + Allowances4);
617 System.out.print("\n      Overtime    : P" + Overtime3);
618 System.out.print("\n      Total Income : P" + totalIncome3);
619 System.out.println("\n");
620 System.out.println("-----Time-----");
621 System.out.print("\n      Number of Hours Works: " + numworks);
622 System.out.print("\n      Late (hours)       : P" + Totalhours);
623 System.out.print("\n      Late (minutes)    : P" + minute);
624 System.out.print("\n      Absences          : " + Absencetotal);
625 System.out.print("\n      Undertime         : " + Undertotal);
626 System.out.print("\n      Total Hours       : " + Tothours);
627 System.out.print("\n      Rate              : P" + rate3);
628 System.out.print("\n      Overall Income    : P" + OverallIncome4);
629 System.out.println("\n");
630 System.out.println("-----Deductions-----");
631 System.out.print("\n      TAX               : P" + tax);
632 System.out.print("\n      SSS               : P" + SSS);
633 System.out.print("\n      Pagibig           : P" + PGBG);
634 System.out.print("\n      PhilHealth        : P" + PhilH);
635 System.out.print("\n      Total Deductions  : P" + deductions3);
636 System.out.println("\n");
637 System.out.println("-----Others-----");
638 System.out.print("\n      House Loan        : P");
639 HouseLoan = in.nextDouble();
640 System.out.print("\n      Car Loan          : P");
641 CarLoan = in.nextDouble();
642 TotalLoan = HouseLoan + CarLoan;
643 System.out.print("\n      Total Loan        : P" + TotalLoan);
644 System.out.println("\n");
645 System.out.println("-----");
646 GrossPay = totalIncome3 - deductions3;
647 System.out.print("\n      TOTAL GROSS PAY   : P" + GrossPay);
648 NetPay = GrossPay - TotalLoan;
649 System.out.print("\n\n      TOTAL NET PAY     : P" + NetPay);
650
651 break;
652
653 default:
654     System.out.println("\t\t You Input Invalid Number...");
655     System.out.println("\t\t The Valid Numbers are 1001, 1002, 1003, and 1004 Only!");
656 }
657 System.out.print("\n Do You want to Select Again[Y/N]: ");
658 ans = (char) System.in.read();
659
660 } while (ans == 'Y' || ans == 'y');
661 }
662 }
663 }
```

**PAYROLL  
OUTPUT**

run:

-----  
TAGUIG CITY Payroll System 101  
-----

Employee Number	Employee Name	Position	Department	rate /hour	Monthly Salary	Allowances	Official time= 8hours Overtime exceeding 1 hour=P350
1001	Jose Rizal A	Manager	IT	520	99,840	4,500	
1002	Andres Bonifacio C	Asst. Manager	IT	450	86,400	2,500	
1003	Lexi Lore S	Secretary	IT	350	67,200	1,500	
1004	Ivana Alawi S	Asst. Secretary	IT	300	57,600	1,000	

-----  
Enter Employee's Data

Employee Number : 1001  
Name : Jose Rizal A  
Position : Manager  
Department : IT  
Status : Single  
Monthly Salary : P99840.0  
Allowances : P4500.0  
Overtime : 6  
OvertimePay : P2100.0  
TOTAL INCOME : P106440.0  
-----

T I M E

-----  
Number of Hours Works : 192.0  
Late (Hours) : 3  
Late (Minutes) : 30  
Absences : 2



Undertime : 2  
Total Hours : 165.0  
Rate : P520.0  
OVERALL INCOME : P91900.0

-----  
D E D U C T I O N S  
-----

Specify Tax Bracket  
(1)Single (2)Married (3)Widowed

Enter your choice: 0

You select wrong number, please enter the number you choose[1,2,3 only!]: 1

TAX : P18380.0  
SSS : P6433.0000000000001  
PAGIBIG : P919.0  
PhilHealth : P919.0

DEDUCTIONS : P26651.0

-----  
Payroll Slip  
-----

Name : Jose Rizal A  
Position : Manager  
Department : IT  
Status : Single  
Monthly Salary : P99840.0  
Allowances : P4500.0  
Overtime : P2100.0  
Total Income : P106440.0

-----Time-----

Number of Hours Works: 192.0  
Late(hours) : P450.0

Late (minutes) : P50.0  
Absences : 16.0  
Undertime : 8  
Total Hours : 165.0  
Rate : P520.0  
Overall Income : P91900.0

-----Deductions-----

TAX : P18380.0  
SSS : P6433.000000000001  
Pagibig : P919.0  
PhilHealth : P919.0  
Total Deductions : P26651.0

-----Others-----

House Loan : P5000  
Car Loan : P2000  
Total Loan : P7000.0

-----

TOTAL GROSS PAY : P65249.0

TOTAL NET PAY : P58249.0

Do You want to Select Again[Y/N]: Y

-----

TAGUIG CITY Payroll System 101

-----

Employee Number	Employee Name	Position	Department	rate /hour	Monthly Salary	Allowances	Official time= 8hours	Overtime
--------------------	---------------	----------	------------	---------------	-------------------	------------	--------------------------	----------

							exceeding 1 hour=P350	
1001	Jose Rizal A	Manager	IT	520	99,840	4,500		
1002	Andres Bonifacio C	Asst. Manager	IT	450	86,400	2,500		
1003	Lexi Lore S	Secretary	IT	350	67,200	1,500		
1004	Ivana Alawi S	Asst. Secretary	IT	300	57,600	1,000		

## Enter Employee's Data

Employee Number	: 1002
Name	: Andres Bonifacio C
Position	: Assistant Manager
Department	: IT
Status	: Single
Monthly Salary	: P86400.0
Allowances	: P2500.0
Overtime	: 4
OvertimePay	: P1400.0
TOTAL INCOME	: P90300.0

T I M E

Number of Hours Works	: 192.0
Late(Hours)	: 10
Late(Minutes)	: 0
Absences	: 5
Undertime	: 1
Total Hours	: 138.0
Rate	: P450.0
OVERALL INCOME	: P64500.0

D E D U C T I O N S

Specify Tax Bracket  
(1) Single (2) Married (3) Widowed

Enter your choice: 4

You select wrong number, please enter the number you choose[1,2,3 only!]: 1

TAX : P9675.0

SSS : P3225.0

PAGIBIG : P645.0

PhilHealth : P645.0

DEDUCTIONS : P14190.0

-----  
Payroll Slip  
-----

Name : Andres Bonifacio C

Position : Assistant Manager

Department : IT

Status : Single

Monthly Salary : P86400.0

Allowances : P2500.0

Overtime : P1400.0

Total Income : P90300.0

-----Time-----

Number of Hours Works: 192.0

Late(hours) : P1500.0

Late(minutes) : P0.0

Absences : 40.0

Undertime : 4

Total Hours : 138.0

Rate : P450.0

Overall Income : P64500.0

-----Deductions-----

TAX : P9675.0

SSS : P3225.0  
Pagibig : P645.0  
PhilHealth : P645.0  
Total Deductions : P14190.0

-----Others-----

House Loan : P3000  
Car Loan : P10000  
Total Loan : P13000.0

-----

TOTAL GROSS PAY : P76110.0

TOTAL NET PAY : P63110.0

Do You want to Select Again[Y/N]: Y

-----

TAGUIG CITY Payroll System 101

-----

Employee Number	Employee Name	Position	Department	rate /hour	Monthly Salary	Allowances	Official time= 8hours Overtime exceeding 1 hour=P350
1001	Jose Rizal A	Manager	IT	520	99,840	4,500	
1002	Andres Bonifacio C	Asst. Manager	IT	450	86,400	2,500	
1003	Lexi Lore S	Secretary	IT	350	67,200	1,500	
1004	Ivana Alawi S	Asst. Secretary	IT	300	57,600	1,000	

-----  
Enter Employee's Data



Employee Number : 1003  
Name : Lexi Lore S  
Position : Secretary  
Department : IT  
Status : Married  
Monthly Salary : P67200.0  
Allowances : P1500.0  
Overtime : 10  
OvertimePay : P3500.0  
TOTAL INCOME : P72200.0

---

T I M E

---

Number of Hours Works : 192.0  
Late (Hours) : 8  
Late (Minutes) : 15  
Absences : 1  
Undertime : 1  
Total Hours : 172.0  
Rate : P350.0  
OVERALL INCOME : P63950.0

---

DEDUCTIONS

---

Specify Tax Bracket  
(1)Single (2)Married (3)Widowed

Enter your choice: 2

TAX : P6395.0  
SSS : P1918.5  
PAGIBIG : P639.5  
PhilHealth : P639.5  
  
DEDUCTIONS : P9592.5

---

# Payroll Slip

-----

Name	: Lexi Lore S
Position	: Secretary
Department	: IT
Status	: Married
Monthly Salary	: P67200.0
Allowances	: P1500.0
Overtime	: P3500.0
Total Income	: P72200.0

## -----Time-----

Number of Hours Works:	192.0
Late (hours)	: P1200.0
Late (minutes)	: P50.0
Absences	: 8.0
Undertime	: 4
Total Hours	: 172.0
Rate	: P350.0
Overall Income	: P63950.0

## -----Deductions-----

TAX	: P6395.0
SSS	: P1918.5
Pagibig	: P639.5
PhilHealth	: P639.5
Total Deductions	: P9592.5

## -----Others-----

House Loan	: P1000
Car Loan	: P1000
Total Loan	: P2000.0

-----

TOTAL GROSS PAY : P62607.5

TOTAL NET PAY : P60607.5

Do You want to Select Again[Y/N]: Y

-----

TAGUIG CITY Payroll System 101

-----

Employee Number	Employee Name	Position	Department	rate /hour	Monthly Salary	Allowances	Official time= 8hours Overtime exceeding 1 hour=P350
1001	Jose Rizal A	Manager	IT	520	99,840	4,500	
1002	Andres Bonifacio C	Asst. Manager	IT	450	86,400	2,500	
1003	Lexi Lore S	Secretary	IT	350	67,200	1,500	
1004	Ivana Alawi S	Asst. Secretary	IT	300	57,600	1,000	

Enter Employee's Data

Employee Number : 1004  
Name : Ivana Alawi S  
Position : Assistant Secretary  
Department : IT  
Status : Widowed  
Monthly Salary : P57600.0  
Allowances : P1000.0  
Overtime : 1  
OvertimePay : P350.0  
TOTAL INCOME : P58950.0

-----

T I M E

-----  
Number of Hours Works : 192.0  
Late (Hours) : 7  
Late (Minutes) : 50  
Absences : 5  
Undertime : 5  
Total Hours : 125.0  
Rate : P300.0  
OVERALL INCOME : P37750.0  
-----

D E D U C T I O N S

-----  
Specify Tax Bracket  
(1) Single (2) Married (3) Widowed

Enter your choice: 3

TAX : P3020.0  
SSS : P755.0  
PAGIBIG : P377.5  
PhilHealth : P377.5

DEDUCTIONS : P4530.0

-----  
Payroll Slip  
-----

Name : Ivana Alawi S  
Position : Assistant Secretary  
Department : IT  
Status : Widowed  
Monthly Salary : P57600.0  
Allowances : P1000.0  
Overtime : P350.0  
Total Income : P58950.0

-----Time-----

Number of Hours Works: 192.0  
Late(hours) : P1050.0  
Late(minutes) : P50.0  
Absences : 40.0  
Undertime : 20  
Total Hours : 125.0  
Rate : P300.0  
Overall Income : P37750.0

-----Deductions-----

TAX : P3020.0  
SSS : P755.0  
Pagibig : P377.5  
PhilHealth : P377.5  
Total Deductions : P4530.0

-----Others-----

House Loan : P6000  
Car Loan : P6000  
Total Loan : P12000.0

-----

TOTAL GROSS PAY : P54420.0

TOTAL NET PAY : P42420.0

Do You want to Select Again[Y/N]: Y

-----



Employee Number	Employee Name	Position	Department	rate /hour	Monthly Salary	Allowances	Official time= 8hours Overtime exceeding 1 hour=P350
1001	Jose Rizal A	Manager	IT	520	99,840	4,500	
1002	Andres Bonifacio C	Asst. Manager	IT	450	86,400	2,500	
1003	Lexi Lore S	Secretary	IT	350	67,200	1,500	
1004	Ivana Alawi S	Asst. Secretary	IT	300	57,600	1,000	

Enter Employee's Data

Employee Number : 1005

You Input Invalid Number...

The Valid Numbers are 1001, 1002, 1003, and 1004 Only!

Do You want to Select Again[Y/N]: N

BUILD SUCCESSFUL (total time: 6 minutes 45 seconds)