1. Businesses involving any time of hourly wage.
2. Simplified
3. {  
   Initialize objects arr and names to Value and Input respectively  
   printout “Enter number of people on payroll”  
   Read in and store user input with arr.getElement  
     
   Initialize 1-d array for name storage using user input from arr.getElement for elements  
   Initialize 2-d array for hours and hourly wage using input from above for elements  
     
   for(int I = 0; I< arrayElem; i++) {  
    printout “Enter name of the employees”  
    name[i] = names.getCommand()  
   }  
   for(int i=0;l<arrayElem;i++) {  
    printout “enter the hours of the employees”  
    for(int p=0;p<2;p++) {  
    if(p==1) printout “Enter the hourly wage of employees”  
    hoursWages[i][p] = arr.getValue()  
    }  
   }  
   Input in = new Input()  
   Input se = new Input()  
   Boolean Exit = false  
     
   While(exit == false) {  
     
    printout “Enter search to search for a specific employee or print to exit”  
     
    switch(in.getCommand()) {  
    case “search”:  
    printout “Enter full name of employee to search for”  
    String searResult = se.getCommand()  
    printout "Employee Name Hours Worked Hourly Wages Gross Pay"  
    for(int I=0;i<arrayElem;i++)  
    if(name[i].equals(searResult))  
    printout “name[i] + hoursWages[i][0] + hoursWages[i][1] + hoursWages[i][0] \* hoursWages[i][1]”  
    break  
    case”print”:  
    printout "Employee Name Hours Worked Hourly Wages Gross Pay"  
    for(int i=0;I<arrayElem;I++)  
    printout “name[i] + hoursWages[i][0] + hoursWages[i][1] + hoursWages[i][0] \* hoursWages[i][1]”  
    Exit = true  
    break  
    default:  
    printout ”Invalid input, please try again.”  
    }  
    }
4. This program is for any business or anyone that is just curious to see how much pay can be generated provided they give an input on their hourly wage and how many hours they have worked. Providing a quick and fast way to do the calculations for either themselves or multiple people. Being able to quickly input multiple employees’ data and being able to store and then search for the specific pay roll of an employee as well as being able to print out the full list of employees pay roll in a neat formatted table to see everything. Business would be able to streamline and easily input their data and output the results of the data and print it out or human resources could use it to search for the user if they ever have any questions in the discrepancy of their pay whenever their payday comes up. Business’s could also use it to help keep track and log the company’s budget by printing the full results of the payroll and saving the outputted formatted results, allowing quick access to that information to be used for anything accounting related. Technical function would be to able to receive user inputted data and gives them the tools to create a payroll of any size whether it would be for a small company or a larger one with a lot of employees on payroll. The ability to search for specific employee information would make it easier for the company to see how much they are employing an employee for not only their hourly wage but how many hours they have worked as well.