**FileReadWrite**

**IPO chart (Defining Diagram)**

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| * Read file for name, employee ID, hours worked, and payrate * Get name, employee ID, hours worked, and payrate from user | * Calculate total weekly pay from data * Read data and print to screen * Write data and print to screen | * Neaten up and display all data calculated |

**Algorithm (Pseudocode)**

DECLARE string variable as “fname”

DECLARE string variable as “lname”

DECLARE int variable as “employeeID”

DECLARE double variable as "hoursWorked"

DECLARE double variable as "payRate"

DECLARE double variable as "payForWeek"

SET locale to US for currency

DISPLAY a message telling the user we are reading from file

READ data from file and store in our variables

CALCULATE the total weekly pay by multipling the pay rate

and the hours worked

CONVERT dollars to cents for put\_money method

DISPLAY the data to the user using put\_money for money

DISPLAY a message saying we are writing to a file

DISPLAY a message asking for fname

STORE fname

DISPLAY a message asking for lname

STORE lname

DISPLAY a message asking for employee ID

STORE employee ID

DISPLAY a message asking for hours worked

STORE hours worked

DISPLAY a message asking for pay rate

STORE pay rate

CALCULATE the total weekly pay by multipling the pay rate

and the hours worked

CONVERT dollars to cents for put\_money method

DISPLAY the data to the user using put\_money for money

**END**