II. In class exercise: Personal Information

Personal Information

Using an IPO chart and pseudocode design an algorithm that will obtain from the user a first name, last name and age. The application will create an employee number by concatenating the ASCII value for the first letter of the last name, the first letter of the first name and the value obtained by multiplying the age by 16 and dividing the product by 3. The application should display the employee number, first and last name as well as age.

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| --- | --- | --- |
| Inputs | Processes | Outputs |
| First name, Last name, age | Create Employee Number  Take the ASCII Value of user’s first and last initials and concatenate.  Multiply user’s age by 16, and then divide by three.  Concatenate. | Generated Employee number  First name  Last Name  Age |

Pseudocode:

Personal\_Info

PROMPT “Employee’s First name”

System.out.println(“Please enter the user’s first name”);

GET sFirstName

chFirstInital = Console.next().charAt(0);

PROMPT “Employee’s Last Name”

GET sLastName

Prompt “Employee’s Age”

GET iAge

SET iFirstInitial = ASCII Value of First Character of sFirstName

SET iLastInitial = ASCII Value of First Character of sLastName

CALCULATE employee\_number

SET iAgeCalc = iAge \* 16 / 3

SET sEmpn = iFirstInitial + iLastInital + iAge Calc

END

DISPLAY “Employee’s First Name” + sFirstName

DISPLAY “Employee’s Last Name” + sLastName

DISPLAY “Employee’s Age “ + iAge

DISPLAY “Employee’s Generated Number” + sEmpn

END