1time entry function

2 hours validation logic

3overtime detection algorithm

4 timetracking reports

5 (4) test cases

TIME ENTRY FUNCTIONS

Begin Program

Function GetHoursWorked (employee)

INIT hours\_list = empty linst

For each day in week Do

Prompt “ Enter hours worked by [employee] on [day]:

Input daily\_hours

Add daily hours To hours\_list

End FOR

Return hours\_list

End function

HOURS VALIDATION LOGIC

Function validateHours(hours\_list)

total\_hours = sum(hours\_list)

if total\_hours > 40 then

regular\_hours = 40

overtime\_hours = total\_hours - 40

end If

else

regular\_hours = total\_hours

overtime\_hours = 0

end else

return

“ Total\_hours :” total hours, regular\_hours;” regular\_hours,

“Overtime\_hours:” overtime\_hours

End function

GENERATE REPORT:

Function GenerateReport(employee, result)

Print “Wekly Time Report for: “, result.total\_hours

Print “Total Hours Worked: “, result.total\_hours

Print “Regular Hours: “, result.regular\_hours

Print “Overtime Hours: “, result.overtime\_hours

If result.overtime\_hours > 0

Print “Overtime Status : YES”

Else

Print “Overtime Status : NO”

End if

End function

MAIN INTERFACE:

Begin program

For each employee IN employee\_list DO

Hours\_list = GetHoursWorked(employee) // link first function and get time

Result = validateHours(hours\_list) // validate time

GenerateReport(result) // generate report

End FOR

End program