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**Lab-5**

**Ruby Programming Lab**

**Code:**

class Emp

def initialize(id,name,desig)

@id=id

@name=name

@desig=desig

end

end

class Permanent < Emp

def display(bp)

@bp=bp

@da=(@bp\*15)/100

@hra=8000

@bonus=(@da\*5)/100

@gross\_pay=@bp+@da+@hra+@bonus

puts("Gross pay:#{@gross\_pay}")

@pf=(@gross\_pay\*2)/100

@tax=1250

@net\_pay=@gross\_pay-@pf-@tax

end

def display1()

print("Permanent Employee:",@id,@name,@gross\_pay,@desig)

end

def range(start,ending)

if(@id>=start && @id<=ending)

print ("Employee id #{@id},")

end

end

end

class Temporary < Emp

def temporary\_emp(salary\_per\_hour,total\_hours)

@salary\_per\_hour=salary\_per\_hour

@total\_hours=total\_hours

@total\_salary=@salary\_per\_hour\*@total\_hours

if(@total\_salary>20000)

puts("Employee id-> #{@id} : Employee name->#{@name} : Crossed more than 20000:#{@total\_salary}")

end

end

end

print("Enter the number of Working employees in your company:")

n=gets.to\_i #number of employees

array\_perm=[]

array\_temp=[]

for i in 0...n do

print "Enter id #{i+1}:"

sid=gets.to\_i

print "Enter employee name #{i+1}:"

name=gets.to\_s

print "Enter employee designation #{i+1}:"

desig=gets.to\_s

id=sid.to\_s

size=id.length

end

if(id[0]=="5" && size==5)

for i in 0...n do

perm=Permanent.new(sid,name,desig)

array\_perm.push(perm)

print "Enter basic pay#{i+1}:"

bp=gets.to\_i

#array\_perm[i].permanent\_emp(bp)

array\_perm[i].display(bp)

array\_perm[i].display1()

end

elsif(id[0]=="1" && size==5)

for i in 0...n do

tempo=Temporary.new(sid,name,desig)

array\_temp.push(tempo)

print "Enter total working hours #{i+1} :"

total\_hours=gets.to\_i

print "Enter salary per hour #{i+1} :"

salary\_per\_hour=gets.to\_i

array\_temp[i].temporary\_emp(salary\_per\_hour,total\_hours)

end

else

print("Enter employee details correctly!!!")

end

puts ""

print("Enter range starting id:")

start=gets().to\_i

print("Enter range ending id:")

ending=gets().to\_i

for i in 0...n do

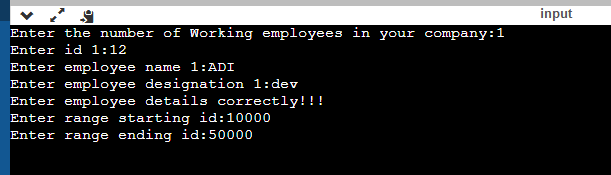
perm=Permanent.new(sid,name,desig)

array\_perm.push(perm)

array\_perm[i].range(start,ending)

end

**Output:**

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