import Foundation

let tax\_rate = 0.0825

var hourse\_worked : Double = -1

var hourly\_wage : Double = 10.0

var gross\_pay, net\_pay,regular\_pay, overtime\_pay : Double

gross\_pay = 0

print("This program will display Gross pay and Net pay based on hours worked\n")

switch (hourse\_worked){

case 1 ..< 40.1:

gross\_pay = hourse\_worked \* hourly\_wage;

case 40.1 ..< 200:

regular\_pay = 40 \* hourly\_wage;

overtime\_pay = (hourse\_worked - 40) \* hourly\_wage \* 1.5

gross\_pay = regular\_pay + overtime\_pay

default:

print("Invalid number of hours. Exit the program")

exit(0)

}

net\_pay = gross\_pay - (gross\_pay \* tax\_rate)

print(String(format: "Gross payment: %5.2f",gross\_pay))

print(String(format: " Net payment: %5.2f",net\_pay))