Week 6 : Program

**4.6** Write a program to prompt the user for hours and rate per hour using input to compute gross pay. Pay should be the normal rate for hours up to 40 and time-and-a-half for the hourly rate for all hours worked above 40 hours. Put the logic to do the computation of pay in a function called **computepay()** and use the function to do the computation. The function should return a value. Use 45 hours and a rate of 10.50 per hour to test the program (the pay should be 498.75). You should use **input** to read a string and **float()** to convert the string to a number. Do not worry about error checking the user input unless you want to - you can assume the user types numbers properly. Do not name your variable sum or use the sum() function.

Explanation:

**def computepay(h,r):**

**if h<40 :**

**p=h\*r**

**return (p)**

**else :**

**p=(40\*r+(5)\*r\*1.5)**

**return (p)**

**hrs = input("Enter Hours:")**

**h=float(hrs)**

**rate= input("Enter rate per hour:")**

**r = float(rate)**

**p = computepay(h,r)**

**print("Pay",p)**