

CS 0411 INTRO TO CS PROGRAMMING

Chapter 3 - Decisions

Fill in the if structures in #1, 2

1. A company pays its employees hourly up to 40 hours a week. For any hours over 40, the company pays 1.5 times the employee's usual rate:

```
double hours, payrate, gross;
Scanner input = new Scanner(System.in);
hours = input.nextDouble();
payrate = input.nextDouble();
if
```

```
System.out.printf("Employee's gross is %.2f", gross);
```

2. A computer store sells flash drives at \$15 each for small amounts, \$13 each for amounts between 5 and 10 inclusive and \$11 each for amounts of more than 10. The code should calculate and print the total cost of the drives and display a message if the number input is less than 0:

```
int numDrives;
double total;
Scanner input = new Scanner(System.in);
numDrives = input.nextInt();
```

3. Write code to calculate and print the amount of a restaurant tip. The program has one input, the bill. The tip is calculated as 15% of the bill with a minimum tip of \$1.50.
4. Write code to input three numbers and calculate and print the average of the two largest numbers. (Hint: find lowest number then calculate average).