

# CSC108H Lecture 9

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## ConceptTest

age	experience		
	0	1-2	3+
under 18	\$6.50	\$9.50	\$11.00
18 and over	\$6.50	\$12.00	\$12.00

```
if experience == 0:
```

```
    wage = 6.5
```

```
elif (1) :
```

```
    if (2) :
```

```
        wage = 9.5
```

```
    else:
```

```
        wage = 11
```

```
else:
```

```
    wage = 12
```

What goes in the two numbered blanks?

- ▶ A. (1) `experience > 0`, (2) `experience >= 1`
- ▶ B. (1) `age < 18`, (2) `experience != 3`
- ▶ C. (1) `age < 18`,  
(2) `experience == 1 or experience == 2`

## ConceptTest

plan	months		
	1	2-6	7+
silver	\$90	\$60	\$60
gold	\$90	\$70	\$35

```
if months == 1:
```

```
    cost = 90
```

```
elif (1):
```

```
    cost = 60
```

```
else:
```

```
    if (2):
```

```
        cost = 70
```

```
    else:
```

```
        cost = 35
```

What goes in the two numbered blanks?

- ▶ A. (1) `plan == 'silver'`,  
(2) `months >= 2 and months <= 6`
- ▶ B. (1) `plan == 'silver'`, (2) `months >= 6`
- ▶ C. (1) `months >= 2 and months <= 6`,  
(2) `plan == 'gold'`

## Example 1

Complete the function `listen_baseball` that returns one of the strings `'definitely'`, `'maybe'`, or `'no way'` based on the following rules:

- ▶ If I have more than zero hours of CSC108 work to do, return `'no way'`, no matter how much house cleaning I have to do. If I have zero hours of CSC108 work to do, use the following two bullets to decide what to return
- ▶ If I have at least three hours of house cleaning to do, return `'maybe'`
- ▶ If I have less than three hours of house cleaning to do, return `'definitely'`

```
def listen_baseball(csc108_hours, house_hours):
```

## Example 2

Complete the following function that returns the maximum of three provided numbers. Do not use the built-in `max` function. Instead, use if-statements to find the largest.

```
def largest(x, y, z):  
    '''(int, int, int) -> int  
    Return the largest of x, y, and z.  
  
    >>> largest(4, 6, 1)  
    6  
    '''
```