

**Week 4 Class 2**

**Student Worksheet**

# Lightbulb with solid fill**Part 1 of the Class: Language skills (1 hour)**

# **Jobs: Do you work 9 to 5?**

**Activity 1.** Carl and Jess

**Step 1**. You are going to read a text about Jess and her husband Carl.

**Step 2.** As you read, complete the text with questions 1-5 from the list below (A-E)-

**Step 3.** Answer the comprehension questions. After the text

You have **15 min** to do it in groups.

1. Do you have time together? -5
2. Does he have a free weekend? -4
3. ~~What do you do Jess?~~
4. What does your husband do? -3
5. Do you work long hours? - 2

A picture containing website

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**Comprehension Questions**

Circle the correct answer. If the sentence is incorrect- say why.

1. Jess has a 9 to 5 job. T F
2. Carl is a detective. T F he’s a police man
3. Carl and Jess Spend a lot of time together. T F
4. Carl doesn’t get paid for overtime work. T F

**Activity 2.** Read the two comments below. Which of the problems is more serious? Write reasons using Present Simple Negatives. Time: 15 min

**Example: The boss doesn’t understand the workers.**

|  |
| --- |
| **Problem 1.** In my company, 2 employees often work more than 60 hours a week. If the boss is in the office, we feel we have to stay until he leaves. Very often, we are not paid for working overtime, we work for free. And for many of us, the summer holiday is only a one-week vacation. We work a lot of overtime, but we aren't more productive. We just have more health problems. |

|  |
| --- |
| **Problem 2.** Things are better now than in the past, but many of my female colleagues aren't happy. They often get less money than men for the same work, and it's more difficult for us women to get a promotion. In addition, working in teams is very difficult. We women can express our opinions, of course, but it's almost always the manager who makes the decisions. |

The more serious problem is:

|  |
| --- |
|  |

The reasons are:

|  |  |
| --- | --- |
| 1 . |  |
| 2. |  |
| 3. |  |

**Activity 3. Peer-assessment**

# **Use the checklist below to assess your classmates questions.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Yes** | **No** | **Suggestion for improvement/**  **correction** |
| 1 . The questions has verb DO or DOES. |  |  |  |
| 2. The question has another verb that carries meaning (go, like, want, etc.) |  |  |  |
| 3. The question is clear and easy to understand. |  |  |  |
| 3. As a customer, I can answer this question with yes or no. |  |  |  |

# Lightbulb with solid fill**Part 2 of the class: Reading**

# **Time: 30 min (20 small group and 10 min wrap up)**

1. The Word Cloud below shows the most frequent verbs in the text. Do you know what they mean? **If not, look them up in a dictionary.**

<https://www.wordreference.com/>

Text

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1. **Parts of Speech (nouns, verbs, etc)**

Blue words in the cloud are: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Red words in the cloud are: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pink words in the cloud are: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

As you read the text, find these key words and highlight them.

**II. While you read**

**Before you read, decide whether the statements below are ‘T’ (true) or ‘F’ (false). Then read the text below to confirm or correct your answers.**

|  |  |  |
| --- | --- | --- |
|  | **True** | **False** |
| 1. Users and programmers can define their own function. |  |  |
| 1. Users can call functions however they want. |  |  |
| 1. Modularized codes are easier than long codes in a sequence. |  |  |
| 1. DRY is a principle that makes coding less repetitive. |  |  |
| 1. In modularized codes, each module focuses on one task. |  |  |

## **The Importance of Python Functions**

Virtually all programming languages today support a form of user-defined functions. Some languages call them functions and others call them:

* **Subroutines**
* **Procedures**
* **Methods**
* **Subprograms**

Why is it important that users define functions? There is a **Don’t Repeat yourself Principle** in programming. Don't repeat yourself (DRY) is a principle of software development reduces repetition of software patterns.It saves time. It helps you avoid copy pasting, Instead, you can call the function that you define.

Another reason is:

**Modularity**

Functions allow **complex processes** to be broken up into smaller steps. Imagine, for example, that you have a program that **reads** in a file, processes the file contents, and then **writes** an output file. Your code for that program could look like this:

# Main program

# Code to read file in

<statement>

<statement>

<statement>

<statement>

# Code to process file

<statement>

<statement>

<statement>

<statement>

# Code to write file out

<statement>

<statement>

<statement>

<statement>

In this example, the main program is a bunch of code in a long sequence, with whitespace and comments to help organize it. This code is not long, and you understand it. If it gets longer, it becomes complex to understand.

**Modularized Code:** You could also structure the code more like this:

def read\_file():

# Code to read file in

<statement>

<statement>

<statement>

<statement>

def process\_file():

# Code to process file

<statement>

<statement>

<statement>

<statement>

def write\_file():

# Code to write file out

<statement>

<statement>

<statement>

<statement>

# Main program

read\_file()

process\_file()

write\_file()

This example is **modularized**. The code is divided into modules and each module **focuses** on a specific task. Those tasks are ***read*,** *process*, and *write*. The main program now simply needs to call each of these in turn.

**Note:** The **def**keyword introduces a new Python function definition. You’ll learn all about this very soon.

**Answer Key**

**Here are some suggested answers**

**Part 1.** Circle the correct answer. If the sentence is incorrect- say why.

1. Jess has a 9 to 5 job. T
2. Carl is a detective. F
3. Carl and Jess Spend a lot of time together. F
4. Carl doesn’t get paid for overtime work. F

**Part 2.**

**II. While you read**

**Before you read, decide whether the statements below are ‘T’ (true) or ‘F’ (false). Then read the text below to confirm or correct your answers.**

|  |  |  |
| --- | --- | --- |
|  | **True** | **False** |
| 1. Users and programmers can define their own function. | **T** |  |
| 1. Users can call functions however they want. | **T** |  |
| 1. Modularized codes are easier that long codes in a sequence | **T** |  |
| 1. DRY is a principle that makes coding repetitive. |  | **F** |
| 1. In modularized codes, each module focuses on one task. | **T** |  |

Text

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1. **Parts of Speech(nouns, verbs, etc)**

Blue words are: \_\_\_\_\_\_\_verbs\_\_\_\_\_\_\_\_\_\_\_

Red words are: \_\_\_\_\_\_\_\_\_\_nouns\_\_\_\_\_\_\_\_

Pink words are: \_\_\_\_adjectives\_\_\_\_\_\_\_\_\_\_\_\_\_