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IT314 - Lab - 5

Grp No: 19

Code 1:

I have taken python code from, https://github.com/nidhaloff/b-rabbit/tree/master/b_rabbit

```
main.py:2: error: Cannot find implementation or library stub for module named "rabbitpy" [import]
main.py:2: note: See https://mypy.readthedocs.io/en/stable/running_mypy.html#missing-imports
main.py:39: error: Need type annotation for "_active_queues" (hint: "_active_queues: List[<type>] = ...") [var-annotated]
main.py:44: error: Incompatible default for argument "user" (default has type "None", argument has type "str") [assignment]
main.py:44: note: PEP 484 prohibits implicit Optional. Accordingly, mypy has changed its default to no_implicit_optional=True
main.py:44: note: Use https://github.com/hauntsaninja/no_implicit_optional to automatically upgrade your codebase
main.py:45: error: Incompatible default for argument "password" (default has type "None", argument has type "str") [assignment]
main.py:45: note: PEP 484 prohibits implicit Optional. Accordingly, mypy has changed its default to no_implicit_optional=True
main.py:45: note: Use https://github.com/hauntsaninja/no_implicit_optional to automatically upgrade your codebase
main.py:195: error: Incompatible default for argument "event_listener" (default has type "None", argument has type "Callable[..., Any]") [assignment]
main.py:195: note: PEP 484 prohibits implicit Optional. Accordingly, mypy has changed its default to no_implicit_optional=True
main.py:195: note: Use https://github.com/hauntsaninja/no_implicit_optional to automatically upgrade your codebase
main.py:297: error: Missing return statement [return]
main.py:470: error: Name "s" is not defined [name-defined]
```

Error: Cannot find implementation or library stub for module named "rabbitpy"

- Here rabbitpy named file or stub is not found.

Error: Missing return statement

- the "Missing return statement" error occurs when a function is declared to return a value, but the function definition doesn't contain a return statement or contains a return statement without a value to be returned.

Error: Incompatible default for argument "event_listener" (default has type "None", argument has type "Callable[..., Any]") [assignment]

- This error message is indicating that there is a problem with a function definition in Python that has an argument called "event_listener". The error is stating that the default value for this argument is of type "None", which is not compatible with the expected type of the argument, which is "Callable[..., Any]".

Error: Need type annotation for "_active_queues" (hint: "_active_queues: List[<type>] = ...") [var-annotated]

- This error message is indicating that the Python interpreter is expecting a type annotation for the variable "_active_queues" in your code. Type annotations are a way to explicitly specify the data type of variables, function arguments, and function return values in Python. They are used to provide additional information to static analysis tools and to help catch type-related errors at compile time rather than at runtime.

Code 2 :

I have taken code from, <https://github.com/jared-ni/cs262-design-exercise1>

Failed (exit code: 1) (3267 ms)

```
main.py:3: error: Cannot find implementation or library stub for module named "bcrypt" [import]
main.py:3: note: See https://mypy.readthedocs.io/en/stable/running_mypy.html#missing-imports
main.py:67: error: Function "Type[ConnectionResetError]" could always be true in boolean context [truthy-function]
main.py:102: error: Function "Type[ValueError]" could always be true in boolean context [truthy-function]
main.py:182: error: Function "Type[KeyError]" could always be true in boolean context [truthy-function]
main.py:281: error: Function "Type[ValueError]" could always be true in boolean context [truthy-function]
Found 5 errors in 1 file (checked 1 source file)
```

Error: Function "Type[valueError]" could always be true in boolean context.

- The error message "Function 'Type[valueError]' could always be true in boolean context" suggests that there is a function or variable in your code called 'Type' which is being used in a boolean context, and that it is possible for it to always evaluate to true.

Code 3:

I have taken code from, <https://github.com/Stacha-dev/black-box/blob/master/python/cluster.py>

Failed (exit code: 1) (3483 ms)

```
main.py:1: error: Cannot find implementation or library stub for module named "vosk" [import]
main.py:1: note: See https://mypy.readthedocs.io/en/stable/running_mypy.html#missing-imports
main.py:2: error: Cannot find implementation or library stub for module named "playsound" [import]
main.py:5: error: Cannot find implementation or library stub for module named "pyaudio" [import]
main.py:8: error: Cannot find implementation or library stub for module named "aiml" [import]
main.py:9: error: Cannot find implementation or library stub for module named "pyttsx3" [import]
main.py:60: error: Name "query" is not defined [name-defined]
Found 6 errors in 1 file (checked 1 source file)
```

Error: Name “query” is not defined

Code 4:

I have taken code from,

https://github.com/Python-World/python-mini-projects/tree/master/projects/Find_imdb_rating

Failed (exit code: 1) (3739 ms)

```
main.py:7: error: Cannot find implementation or library stub for module named "ecdsa" [import]
main.py:7: note: See https://mypy.readthedocs.io/en/stable/running_mypy.html#missing-imports
main.py:8: error: Cannot find implementation or library stub for module named "base58" [import]
main.py:11: error: Cannot find implementation or library stub for module named "PySimpleGUI" [import]
Found 3 errors in 1 file (checked 1 source file)
```

Code 5:

I have taken code from, <https://github.com/adrijano/Bitcoin-wallet-cracker>

Failed (exit code: 1) (2881 ms)

```
main.py:1: error: Cannot find implementation or library stub for module named "bs4" [import]
main.py:1: note: See https://mypy.readthedocs.io/en/stable/running_mypy.html#missing-imports
main.py:2: error: Cannot find implementation or library stub for module named "requests" [import]
main.py:3: error: Cannot find implementation or library stub for module named "pandas" [import]
Found 3 errors in 1 file (checked 1 source file)
```

Code 6:

I have taken python code from,

<https://github.com/SwathiPrathaa/File-Transfer-implementation-with-DLP>

Failed (exit code: 1) (3903 ms)

```
main.py:9: error: Cannot find implementation or library stub for module named "tqdm" [import]
main.py:9: note: See https://mypy.readthedocs.io/en/stable/running_mypy.html#missing-imports
main.py:15: error: Cannot find implementation or library stub for module named "fernet" [import]
main.py:72: error: Incompatible types in assignment (expression has type "int", variable has type "str") [assignment]
main.py:73: error: Incompatible types in assignment (expression has type "int", variable has type "str") [assignment]
main.py:76: error: Argument 1 to "recv" of "socket" has incompatible type "str"; expected "int" [arg-type]
Found 5 errors in 1 file (checked 1 source file)
```

Error: Incompatible types in assignment (expression has type "int", variable has type "str") [assignment]

- This error message usually occurs in programming when you are trying to assign a value of one data type to a variable of a different data type, which is not compatible with it.

Error: Argument 1 to "recv" of "socket" has incompatible type "str"; expected "int" [arg-type]

- The error message is telling you that the argument you passed to the "recv" method is a string value, while it is expecting an integer. This means that the data type of the argument you passed is incompatible with what the "recv" method is expecting.