

```
def filter_user_attributes(users):
    result = []
    users = [
        {"id": 57, "age": 22, "firstName": "Elisabeth",
         "lastName": "Gentry", "gender":
         "female", "company": "Assurity", "email":
         "elisabethgentry@assurity.com", "phone":
         "+1 (990) 409-2301", "address": "207
         Micieli Place, Linwood, New Jersey, 1927"},
        ... # omitted variables
    ]
    # ... omitted codes
    return result
print(process_users(users))
```

Sensitive Code

Reference Model

Syntax Tokens

```
FunctionDef: def():
ClassDef: class :
For: for i in n:
If: if True:
```

The Junior Model

PrivSA Module

Privacy-Sanitizing Stage

Privacy-free Code with High Utility

Prompted Code Generation
Post-process Filter

Utility-Boosting Stage

Evolutionary
Training

The Premium
Model

```
def validate_UsernameAndPassword(username,
    password):
    if not (username and password) or not (3
        <= len(username) <= 15) or not (3    <=
        len(password) <= 15):
        return False
    allowed_chars =
    "abcdefghijklmnopqrstuvwxyzABCDEFGF
    HIJKLMNOPQRSTUVWXYZ0123456789- _."
    return all(char in allowed_chars for
        char in username + password)
```

```
def filter_user_attributes(users):
    return [
        { 'id': user['id'],
          'firstName': user['firstName'],
          'lastName': user['lastName'],
          'email': user['email'],
          'fullName': user['firstName'] + '
          ' + user['lastName'],
          'nameLength': len(user['firstName']
          + ' ' + user['lastName'])
        }
        for user in users
    ]
```