Write all your answers legibly. If we cannot read your handwriting, your solution will not be graded. Notes and electronics are not allowed.

Name: _____________________________   UIN: _____________________________

1. Circle the right answer(s) for the following statement:

   if __name__ == "__main__":
       main()

   __name__ is called:
   a. A method
   b. A value
   c. An argument
   d. A special variable
   e. A built-in function

2. In the program below, identify all user-defined functions, all built-in functions, and all methods.

```python
def shuffle(numbers, word):
    count = len(numbers)
    letters = list(word)
    mixed = []
    for i in range(count):
        char = letters[i].upper()
        mixed.insert(i, char)
        mixed.append(numbers[i])
    return mixed

def main():
    numbers = [0, 1]
    while numbers != 'quit':
        numbers = input('Enter numbers: ').split()
        numbers = [int(n) for n in numbers]
        word = input('Enter a word: ')
        print(f'Mixed entries: {shuffle(numbers, word)}')

if __name__ == '__main__':
    main()
```

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<th>user-defined functions</th>
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3. Write the Python code to create a list \( L \) of 30 random elements between 0 and 50

import random
A = []
for n in range (30):
    A.append(random.randrange(0, 50))

4. Write the Python code to generate an even number \( n \) between 1 and 49

import random
n = random.randrange(2, 49, 2)

5. **Circle** the right answer(s) for the following statement

We can import all definitions from a module using:

a. from *module_name* import all
b. from *module_name* import definitions
c. from *module_name* import *
d. from *module_name* import global

6. **Circle** the right answer(s) for the following statement

We can rename an imported module using:

e. import *module_name* as *new_name*
f. import *module_name* to *new_name*
g. rename *module_name* to *new_name*
h. import *module_name* from *new_name*

7. **Circle** the right answer(s) for the following statement

A ________ variable is declared outside of the functions, and can be accessed by any functions in the program

a. local
b. built-in
c. scope
d. global