1. The structure of "game" package is shown below. Note the all __init__.py files in this package is empty.

```
game/
__init__.py
sound/
__init__.py
echo.py
wav.py
graphic/
__init__.py
screen.py
render.py
play/
__init__.py
run.py
test.py
```

Suppose you want to access the function echo_test() which is included in the echo module. Find out which one of the following is wrong and briefly explain why.

```
    >>> from game.sound import echo
        >>> echo.echo_test()

    >>> from game.sound.echo import echo_test
        >>> echo_test()

    >>> import game
        >>> game.sound.echo.echo_test()

    >>> import game.sound.echo
        >>> game.sound.echo.echo_test()
```

2. Explain why the first element of abc is 10, not 10.2345.

```
>>> import numpy as np
>>> abc = np.arange(5)
>>> abc[0] = 10.2345
>>> abc
array([10, 1, 2, 3, 4])
```

3. Explain why rmat2 is one-dimensional, not two-dimensional.

```
>>> np.random.seed(1)
>>> rmat=np.random.randint(10, size=(3,4))
>>> rmat2=rmat[0]
array([5, 8, 9, 5])
```

4. Explain why the error occurs in the following expression.

```
>>> import numpy as np
>>> a=np.arange(15).reshape(3, 5)
>>> b=np.arange(3)
>>> np.hstack([a,b])
```

5. Briefly explain why the error occurs in the following expression.

```
>>> import numpy as np
>>> a=np.arange(15).reshape(3, 5)
>>> b=np.arange(3)
>>> a + b[np.newaxis,:]
```