

## 109590003 HW4-1

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### Question 1

If you run the homework app before implementing `onSaveInstanceState()`, what happens if you rotate the device? Choose one:

- The `EditText` no longer contains the text you entered, but the counter is preserved.
- The counter is reset to 0, and the `EditText` no longer contains the text you entered.
- The counter is reset to 0, but the contents of the `EditText` is preserved.
- The counter and the contents of the `EditText` are preserved.

**A**

- The counter is reset to 0, and the `EditText` no longer contains the text you entered.

### Question 2

What `Activity` lifecycle methods are called when a device-configuration change (such as rotation) occurs? Choose one:

- Android immediately shuts down your `Activity` by calling `onStop()`. Your code must restart the `Activity`.
- Android shuts down your `Activity` by calling `onPause()`, `onStop()`, and `onDestroy()`. Your code must restart the `Activity`.
- Android shuts down your `Activity` by calling `onPause()`, `onStop()`, and `onDestroy()`, and then starts it over again, calling `onCreate()`, `onStart()`, and `onResume()`.
- Android immediately calls `onResume()`.

**A**

- Android shuts down your `Activity` by calling `onPause()`, `onStop()`, and `onDestroy()`, and then starts it over again, calling `onCreate()`, `onStart()`, and `onResume()`.

### Question 3

When in the `Activity` lifecycle is `onSaveInstanceState()` called? Choose one:

- `onSaveInstanceState()` is called before the `onStop()` method.
- `onSaveInstanceState()` is called before the `onResume()` method.
- `onSaveInstanceState()` is called before the `onCreate()` method.
- `onSaveInstanceState()` is called before the `onDestroy()` method.

**A**

- `onSaveInstanceState()` is called before the `onDestroy()` method.

## Question 4

Which `Activity` lifecycle methods are best to use for saving data before the `Activity` is finished or destroyed? Choose one:

- `onPause()` or `onStop()`
- `onResume()` or `onCreate()`
- `onDestroy()`
- `onStart()` or `onRestart()`

A

- `onPause()` or `onStop()`

## 109590003 HW4-2

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## Question 1

Which constructor method do you use to create an implicit `Intent` to launch a camera app?

- `new Intent()`
- `new Intent(Context context, Class<?> class)`
- `new Intent(String action, Uri uri)`
- `new Intent(String action)`

A

- `new Intent(String action)`

## Question 2

When you create an implicit `Intent` object, which of the following is true?

- Don't specify the specific `Activity` or other component to launch.
- Add an `Intent` action or `Intent` categories (or both).
- Resolve the `Intent` with the system before calling `startActivity()` or `startActivityForResult()`.
- All of the above.

A

- All of the above.

## Question 3

Which `Intent` action do you use to take a picture with a camera app?

- `Intent takePicture = new Intent(Intent.ACTION_VIEW);`
- `Intent takePicture = new Intent(Intent.ACTION_MAIN);`
- `Intent takePicture = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);`
- `Intent takePicture = new Intent(Intent.ACTION_GET_CONTENT);`

## A

- `Intent takePicture = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);`