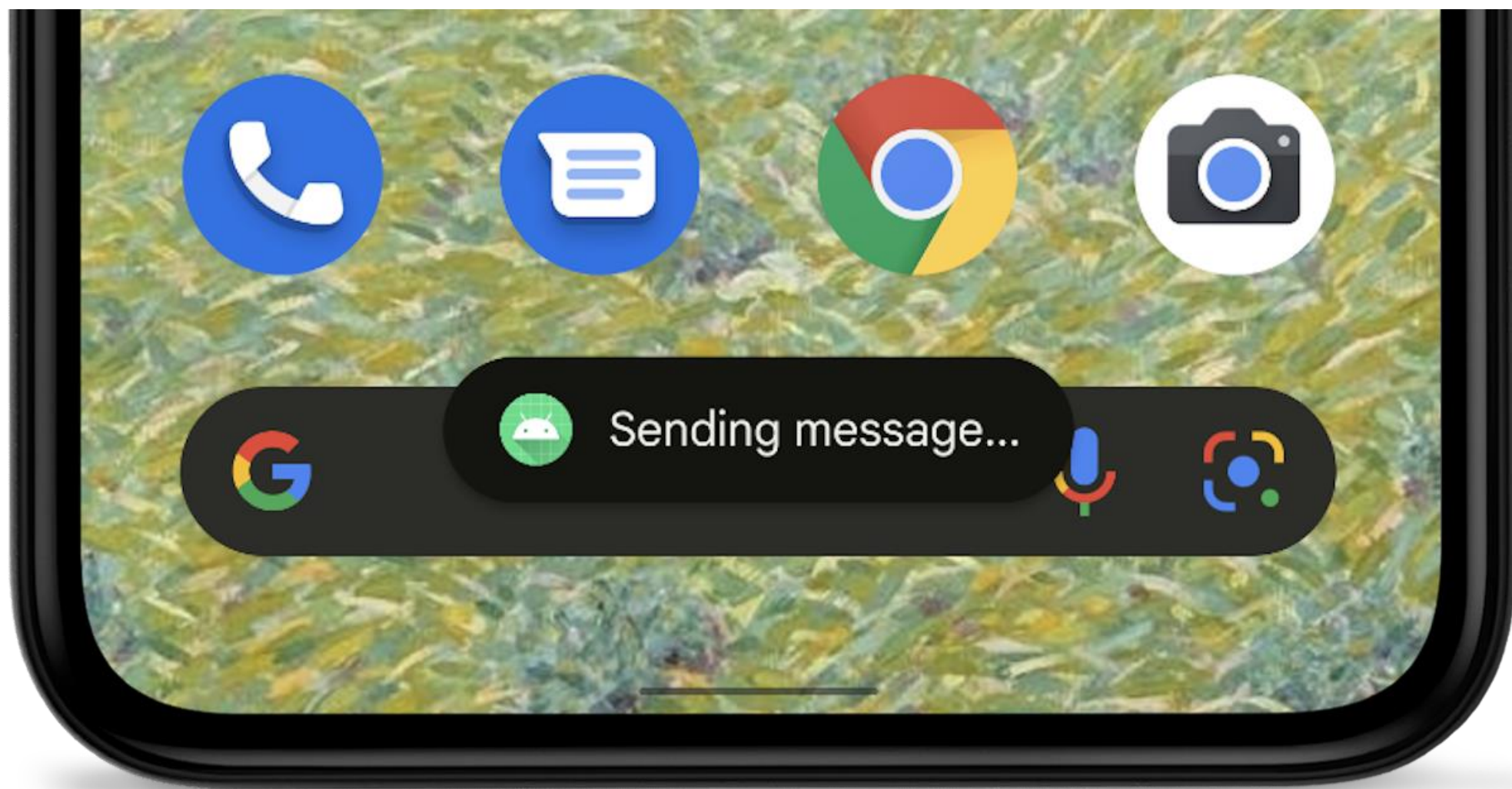# Android Toast

- In Android, Toast is used to display information for a period of time.

- It contains a message to be displayed quickly and disappears after specified period of time.

- It does not block the user interaction.

- Toast is a subclass of Object class.

- In Android, Toast is used when we required to notify user about an operation without expecting any user input.

- It displays a small popup for message and automatically disappears after timeout.

Sending message...

Constants of Toast class

- **1. LENGTH_LONG:** It is used to display the Toast for a long period of time. When we set this duration the Toast will be displayed for a long duration.

- **2. LENGTH_SHORT:** It is used to display the Toast for short period of time. When we set this duration the Toast will be displayed for short duration.

- public static final int LENGTH_LONG

- public static final int LENGTH_SHORT

Methods Of Toast:

makeText(Context context, CharSequence text, int duration): This method is used to initiate the Toast. This method take three parameters First is for the application Context, Second is text message and last one is duration for the Toast.

Toast toast = Toast.makeText(getApplicationContext(), "Simple Toast", Toast.LENGTH_LONG);

show(): This method is used to display the Toast on the screen. This method is display the text which we create using makeText() method of Toast.

Toast toast = Toast.makeText(getApplicationContext(), "Simple Toast In Android", Toast.LENGTH_LONG);

toast.show(); // display the Toast

setGravity(int,int,int): This method is used to set the gravity for the Toast. This method accepts three parameters: a Gravity constant, an x-position offset, and a y-position offset.

Toast toast = Toast.makeText(getApplicationContext(), "Simple Toast In Android", Toast.LENGTH_LONG);

toast.setGravity(Gravity.TOP | Gravity.LEFT, 0, 0);

toast.show();

setText(CharSequence s): This method is used to set the text for the Toast. If we use makeText() method and then we want to change the text value for the Toast then we use this method.

Toast toast = Toast.makeText(getApplicationContext(), "Simple Toast In Android", Toast.LENGTH_LONG);

toast.setGravity(Gravity.TOP | Gravity.LEFT, 0, 0);

toast.setText("Changed Toast Text");

toast.show();

setDuration(int duration): This method is used to set the duration for the Toast. If we use makeText() method and then we want to change the duration for the Toast then we use this method.

Toast toast = Toast.makeText(getApplicationContext(), "Simple Toast In Android", Toast.LENGTH_LONG);

toast.setGravity(Gravity.TOP | Gravity.LEFT, 0, 0);
toast.setDuration(Toast.LENGTH_SHORT);

toast.show();

```java
Button b=(Button) findViewById(R.id.button);
b.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
Toast toast = Toast.makeText(getApplicationContext(), "Simple Toast In Android", Toast.LENGTH_LONG);
        toast.show();
    }
});
```