Colorful Flutter Logs

Friday, December 9, 2022   3:35 PM

Logging -   Logging is the process printing information about your code.

You can install Logging package in flutter then create a function where you can define your logs .

1.How to use Logging?

```dart
void main() async {

 //logging in flutter
 initRootLogger();
 runApp(App());
}
```

2.Create function

```dart
void initRootLogger() {
 Logger.root.level = Level.ALL;
 Logger.root.onRecord.listen((record) {
  // set ansi color code
  var start = '\x1b[90m';
  const end = '\x1b[0m';
  const white = '\x1b[37m';
  switch (record.level.name) {
   case 'INFO':
    start = '\x1b[32m';
    // start = '\x1b[37m';
    break;
   case 'WARNING':
    start = '\x1b[93m';
    break;
   case 'SEVERE':
    start = '\x1b[31m';
    break;
   case 'SHOUT':
    start = '\x1b[41m\x1b[93m';
    break;
  }
  final message =
```

```
      '$white${record.time}:$end$start${record.level.name}:---> ${record.message}$end ';
   developer.log(
     message,
     name: record.loggerName.padRight(12),
     level: record.level.value,
     time: record.time,
   );
 });
}
```

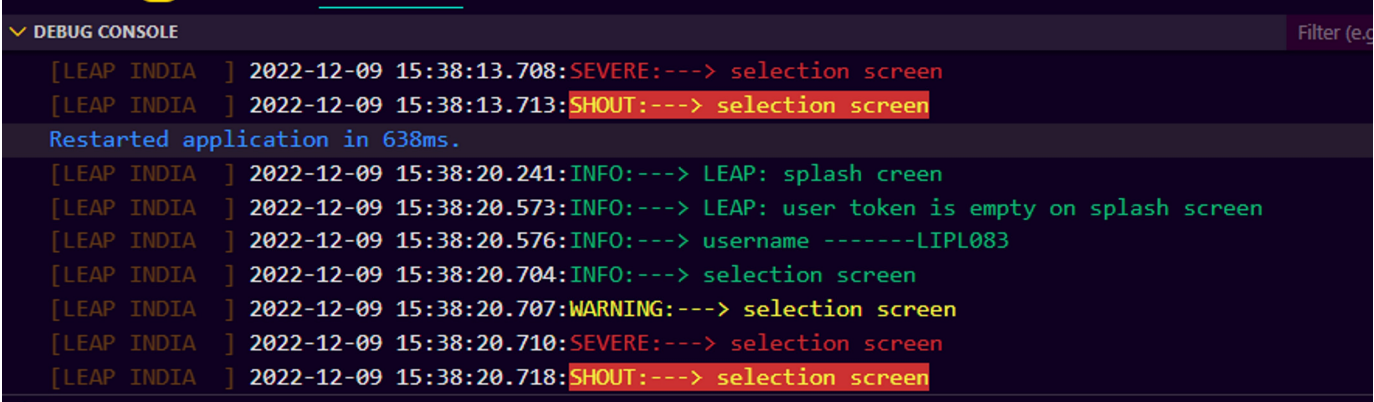## 3.Then create instance of Logging and use log variable to print logs -

```
final log = Logger('LEAP INDIA');
```

4.You can use now

```
 log.info('selection screen');
 log.warning('selection screen');
 log.severe('selection screen');
 log.shout('selection screen');
```

```
∨ DEBUG CONSOLE                                                              Filter (e.g
  [LEAP INDIA  ] 2022-12-09 15:38:13.708:SEVERE:---> selection screen
  [LEAP INDIA  ] 2022-12-09 15:38:13.713:SHOUT:---> selection screen
  Restarted application in 638ms.
  [LEAP INDIA  ] 2022-12-09 15:38:20.241:INFO:---> LEAP: splash creen
  [LEAP INDIA  ] 2022-12-09 15:38:20.573:INFO:---> LEAP: user token is empty on splash screen
  [LEAP INDIA  ] 2022-12-09 15:38:20.576:INFO:---> username -------LIPL083
  [LEAP INDIA  ] 2022-12-09 15:38:20.704:INFO:---> selection screen
  [LEAP INDIA  ] 2022-12-09 15:38:20.707:WARNING:---> selection screen
  [LEAP INDIA  ] 2022-12-09 15:38:20.710:SEVERE:---> selection screen
  [LEAP INDIA  ] 2022-12-09 15:38:20.718:SHOUT:---> selection screen
```

```
// if only enable logging for debug mode
 if (kDebugMode) {
   Logger.root.level = Level.ALL;
 } else {
   Logger.root.level = Level.OFF;
 }
```

 ANSI CODE---

```
 Black("30"),
 Red("31"),
 Green("32"),
 Yellow("33"),
 Blue("34"),
 Magenta("35"),
 Cyan("36"),
 White("37");
```

2. You can Print logs in different color using custom function
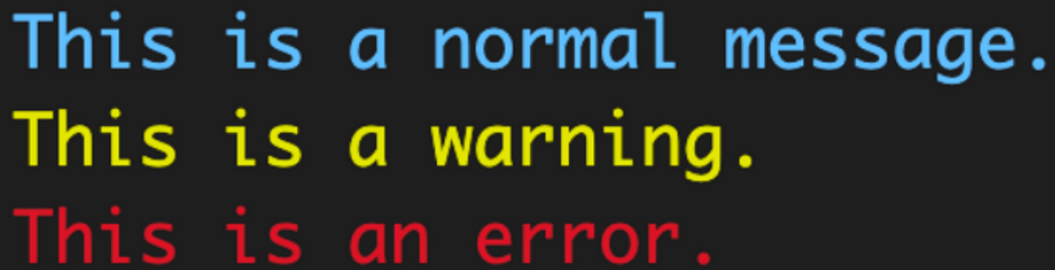
```
voidmain() {
  print('This is a normal message.');
  printWarning('This is a warning.');
  printError('This is an error.');
}
voidprintWarning(Stringtext) {
  print('\x1B[33m$text\x1B[0m');
}
voidprintError(Stringtext) {
  print('\x1B[31m$text\x1B[0m');
}
```