| **DAY** | **COLOURS** |
| --- | --- |
| MONDAY | GREEN, YELLOW, GREEN, BROWN, BLUE, PINK, BLUE, YELLOW, ORANGE, CREAM, ORANGE, RED, WHITE, BLUE, WHITE, BLUE, BLUE, BLUE, GREEN |
| TUESDAY | ARSH, BROWN, GREEN, BROWN, BLUE, BLUE, BLEW, PINK, PINK, ORANGE, ORANGE, RED, WHITE, BLUE, WHITE, WHITE, BLUE, BLUE, BLUE |
| WEDNESDAY | GREEN, YELLOW, GREEN, BROWN, BLUE, PINK, RED, YELLOW, ORANGE, RED, ORANGE, RED, BLUE, BLUE, WHITE, BLUE, BLUE, WHITE, WHITE |
| THURSDAY | BLUE, BLUE, GREEN, WHITE, BLUE, BROWN, PINK, YELLOW, ORANGE, CREAM, ORANGE, RED, WHITE, BLUE, WHITE, BLUE, BLUE, BLUE, GREEN |
| FRIDAY | GREEN, WHITE, GREEN, BROWN, BLUE, BLUE, BLACK, WHITE, ORANGE, RED, RED, RED, WHITE, BLUE, WHITE, BLUE, BLUE, BLUE, WHITE |

**Examine the sequence below very well, you will discover that for every 1s that appear 3 times, the output will be one, otherwise the output will be 0.**

**0101101011101011011101101000111 Input**

**0000000000100000000100000000001 Output**