

```

using System;
using System.Collections.Generic;
using System.Reflection;
using SplashKitSDK;

namespace ShapeCalculator
{
    //Retrieves all colors from SplashKit
    public static class SplashKitColorRetriever
    {
        public static Dictionary<string, Color> GetAllColors()
        {
            Dictionary<string, Color> colors = new Dictionary<string,
                Color>();
            MethodInfo[] methods =
                typeof(SplashKit).GetMethods(BindingFlags.Public |
                    BindingFlags.Static);

            foreach (var method in methods)
            {
                if (method.ReturnType == typeof(Color) &&
                    method.GetParameters().Length == 0 &&
                    method.Name.StartsWith("Color"))
                {
                    try
                    {
                        Color color = (Color)method.Invoke(null, null);
                        string colorName =
                            method.Name.Substring(5).ToLower(); // Remove the
                                "Color" prefix and convert to lowercase
                        colors.Add(colorName, color);
                    }
                    catch (Exception ex)
                    {
                        Console.WriteLine($"Error invoking method
                            {method.Name}: {ex.Message}");
                    }
                }
            }

            return colors;
        }
    }
}

```