

Hidden message

#Goal:

To hide a text message in our given image such that we can extract our message later on when we required later without disturbing our given image.

#Approach:

- Converting the given text in my case “Hi_my_name_is_SUBARNA_” into binary numbers using 7 bit ASCII format

```
test_str = "Hi_my_name_is_SUBARNA_"
res = ".join(format(ord(i), 'b') for i in test_str)
print(res)
```

Output>100100011010011011111110110111110011011111101110110000111011011100101101111
111010011110011101111110100111010101100001010000011010010100111010000011011111

- Replacing the LSB(eighth bit) of every pixel(binary format) by individual bit of the above converted binary number
- Saving our new image
- Later on decoding our text from our new saved image

#Results:



Original image



New image with hidden message

- **Hi_my_name_is_SUBARNA_VIF0{,F8RaEF1-X:**
- I have converted the last bit of large number of pixels to text and hence we have hidden message with unwanted text also.