In [3]:

```
import cv2
```

In [4]:

```
import numpy as np
```

Create the 3d array with 590 Rows and 1080 Columns

In [5]:

```
a=np.zeros((590,1080,3))
```

In [6]:

```
a.shape
```

Out[6]:

```
(590, 1080, 3)
```

In [7]:

```
a[:]=[0,0,0]
```

Roof Code

In [8]:

```
a[229:240,250:650]=[164,73,163]
a[219:230,270:630]=[164,73,163]
a[209:220,290:610]=[164,73,163]
a[199:210,290:610]=[164,73,163]
a[189:200,330:570]=[164,73,163]
a[179:190,350:550]=[164,73,163]
a[169:180,370:530]=[164,73,163]
```

```
a[159:170,390:510]=[164,73,163]
a[149:160,410:490]=[164,73,163]
a[139:150,430:470]=[164,73,163]
```

Flag Code

In [9]:

```
a[90:140,448:453]=[64,128,0]
a[105:110,453:480]=[0,0,255]
a[100:106,453:475]=[0,0,255]
a[95:101,453:470]=[0,0,255]
a[90:96,453:465]=[0,0,255]
```

Wall Code

In [10]:

```
a[239:400,270:280]=[1,0,200]
a[239:400,610:620]=[1,0,200]
```

Lower Base Code

In [11]:

```
a[399:410,250:640]=[0,0,128]
```

Door Code

In [12]:

```
a[300:399,420:480]=[0,0,129]
```

Windows Code

In [13]:

```
a[300:350,310:380]=[125,156,0]
a[300:350,520:590]=[125,156,0]
a[320:330,310:380]=[0,0,200]
a[320:330,520:590]=[0,0,200]
a[300:350,340:350]=[0,0,200]
a[300:350,548:558]=[0,0,200]
```

Upper And Lower Colors

In [14]:

```
a[409:]=[64,255,0]
a[450:470]=[255,255,255]
```

To Show The Image

In [15]:

```
cv2.imshow('myimage',a)
cv2.waitKey()
cv2.destroyAllWindows()
```

To Save The Images

In [16]:

```
cv2.imwrite("Createimage.jpg",a)
```

Out[16]:

```
True
```

In [ ]: