**Bit Fields in Union and Structure assignments**

**Mandatory**

**1. You need to store the status of traffic light i.e status of Red, Green, Organge Bulb On/Off status. Define an appropriate data structure for this.**

For On/ Off status we use enum

For status of Red,Green, Orange we use structure

typedef struct {

LightState red;

LightState green;

LightState orange;

} TrafficLight;

**2. Define an appropriate data structure to store Person details namely name [max length 100 bytes], age (considering person living for 100 years).**

typedef struct {

char name[100];

int age;

} Person;