**1.write a embedded c code using AT89C51 to blink an led with a time interval of 1 sec using port 2.**

#include <REGX52.H>

#include <stdio.h>

sbit led =P2^0;

void delay(void);

void main(void)

{

while(1)

{

led = 0;

delay();

led = 1;

delay();

}

}

void delay(void)

{

int i,j;

for(i=0;i<10;i++)

{

for(j=0;j<10000;j++)

{

}

}

}

**Proteus image**:

