```
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Roll no: 32491
Class: TE 8
Batch: N8
Dept roll no: 76
Write a program in Embedded C for:-
        1.Blinking of LED
        2.Chasing of LED
        3.BCD adder
        4.HEX counter
        5.ASCII counter
Code for 1<sup>st</sup> part
#include <reg51.h>
void MSDelay(unsigned int);
void main(void)
{
       while(1)
               {
                               P1=0X55;
                               MSDelay(1000);
                                P1=0XAA;
                                MSDelay(1000);
               }
```

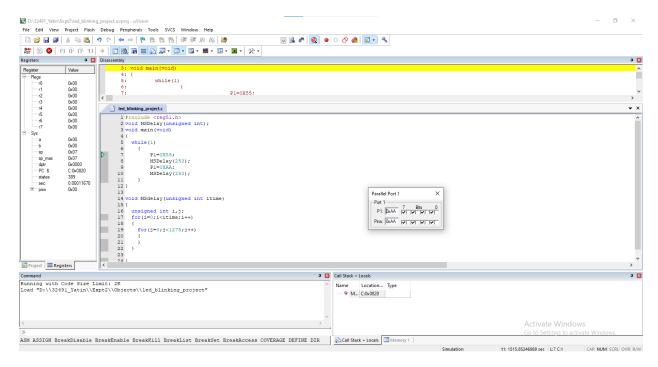
```
void MSdelay(unsigned int itime)

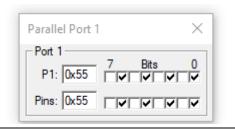
unsigned int i,j;

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

for(j=0;j<1275;j++)

{
     }
}
</pre>
```



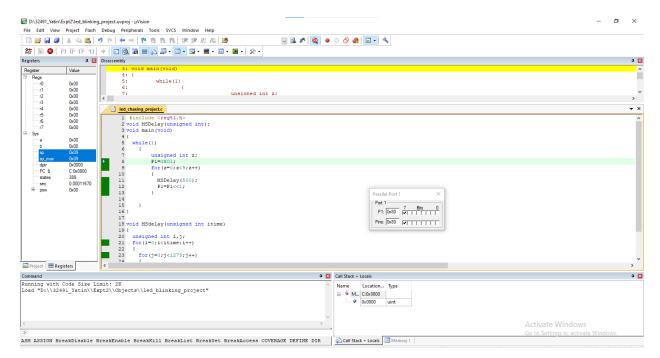


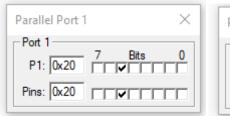


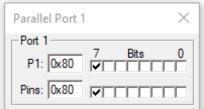
Code for 2nd Part

```
#include <reg51.h>
void MSDelay(unsigned int);
void main(void)
{
       while(1)
               {
                               unsigned int z;
                               P1=0X01;
                              for(z=0;z<9;z++)
                              {
                                      MSDelay(500);
                                      P1=P1<<1;
                              }
               }
}
void MSdelay(unsigned int itime)
{
```

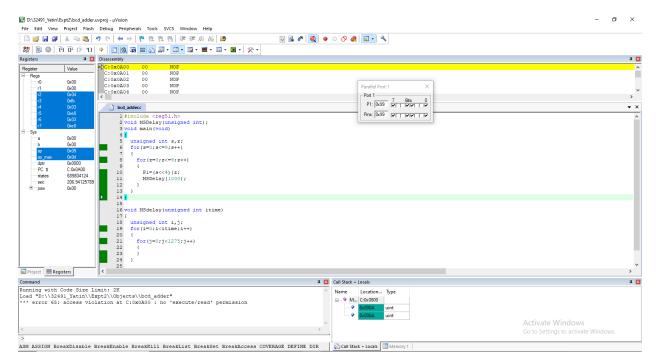
```
unsigned int i,j;
for(i=0;i<itime;i++)
{
    for(j=0;j<1275;j++)
    {
     }
}</pre>
```

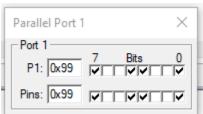




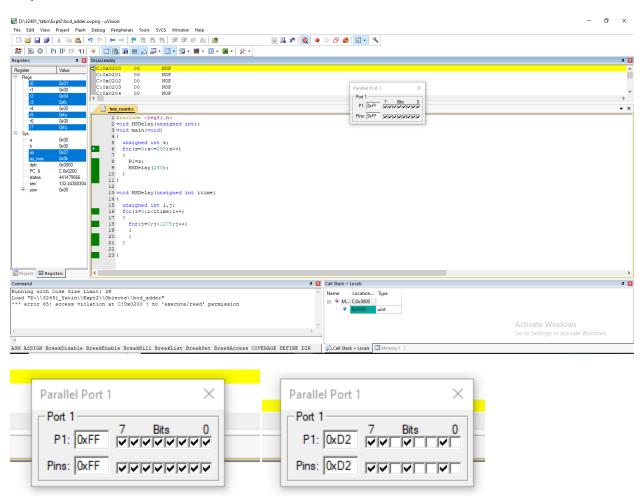


```
Code for 3<sup>rd</sup> Part : BCD Adder
void main(void)
{
        unsigned int s,z;
        for(s=0;s<=9;s++)
        {
                for(z=0;z<=9;z++)
                 {
                         P1=(s<<4)|z;
                         MSDelay(1000);
                 }
        }
}
void MSdelay(unsigned int itime)
{
        unsigned int i,j;
        for(i=0;i<itime;i++)
        {
                for(j=0;j<1275;j++)
                 {
                 }
        }
```





```
Code for 4<sup>th</sup> Part: HEX
#include <reg51.h>
void MSDelay(unsigned int);
void main(void)
{
        unsigned int s;
        for(s=0;s<=255;s++)
        {
                P1=s;
                MSDelay(250);
        }
}
void MSDelay(unsigned int itime)
{
        unsigned int i,j;
        for(i=0;i<itime;i++)
        {
                for(j=0;j<1275;j++)
                {
                }
        }
}
```



```
Code for 5<sup>th</sup> Part : ASCII
#include <reg51.h>
void MSDelay(unsigned int);
void main(void)
{
        unsigned int s;
        for(s='A';s<='Z';s++)
        {
                P1=s;
                MSDelay(1000);
        }
}
void MSDelay(unsigned int itime)
{
        unsigned int i,j;
        for(i=0;i<itime;i++)
        {
                for(j=0;j<1275;j++)
                {
                }
        }
}
```

