4/23/2017 sha256_1.html

```
int i1, i2, i3, i4;
uint parsed op[100][16], k[64] = {
}, hash[8] = {
uchar text[256];
void preprocess(uchar text[])
    int size, k1, k2, k3, in;
    size=strlen(text);
    for (i1=0; i1<=size/64; i1++)
         for (i2=0; i2<16; i2++)
             parsed op[i1][i2]=0b0;
             for(i3=0;i3<4;i3++)
                 in=i1+i2+i3;
                 if (in==size)
                                            parsed_op[i1][i2] = ((parsed_op[i1][i2]<< 1)|0b1)<<8;</pre>
                                            for(i4=3;i4>i3;i4--)
                                                     parsed op[i1][i2]=parsed op[i1][i2]<<8;</pre>
                                            break;
                                   parsed op[i1][i2] = parsed op[i1][i2]<<8 | text[in];</pre>
```

4/23/2017 sha256 1.html

```
void main()
    uint W[64],a,b,c,d,e,f,g,h,temp1,temp2;
    int i,t,j;
    printf("Enter the text to hashed:");
    gets(text);
    preprocess (text);
    for(i=0;i<=i1;i++)
             a=hash[0];
            b=hash[1];
             c=hash[2];
            d=hash[3];
             e=hash[4];
             f=hash[5];
             g=hash[6];
             h=hash[7];
             for (t=0; t<64; t++)
                         W[t]=parsed_op[i][t];
                         W[t] = SIG1(W[t-2]) + W[t-7] + SIG0(W[t-15]) + W[t-16];
                     temp1=h+ EP1(e) + CH(e,f,g)+ k[t]+W[t];
                     temp2=EP0(a) + MAJ(a,b,c);
                     h=g;
                     g=f;
                     f=e;
                     e=d+temp1;
                     d=c;
                     c=b;
                     b=a;
                     a=temp1+temp2;
             hash[0]+=a;
             hash[1]+=b;
             hash[2] += c;
             hash[3] += d;
            hash [4]+=e;
            hash[5] += f;
            hash[6] += g;
            hash[7]+=h;
    printf("\n\n");
    for(i=0;i<8;i++)
        printf("%x ",hash[i]);
    printf("\n\n");
```