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// proj6
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#include <iostream>
#include <iomanip>
using namespace std;

int main ()
{
    int num = 0;

    cout<<endl<<"ASCII TABLE"<<endl<<endl;

    for(num=0;num<128;num++)
    {
        cout<<"| ";
        cout<<setw(3)<<right;

        if (num==8)cout<<num<<" "<<"BS ";
        else if (num==9)cout<<num<<(" "^+(char)(64+num))<<"\\t ";
        else if (num==10)cout<<num<<(" "^+(char)(64+num))<<"\\n ";
        else if (num==13)cout<<num<<" "<<"CR ";
        else if (num==27)cout<<num<<" "<<"ESC";
        else if (num==32)cout<<num<<(" "^+(char)(64+num))<<" SP ";
        else if (num==127)cout<<num<<" DEL";
        else if ((num>=0)&&(num<=32))cout<<num<<" "<<"^"<<(char)(64+num)<<
        else cout<<num<<" "<<(char)num<<" ";

        if (((num+1)%8)==0)cout<<"|"<<endl;
    }

    cout<<endl;

    return 0;
}

```